

ORIGINAL

Before The
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In re Applications of	)	MM Docket No. 86-440
)	
ACHERNAR BROADCASTING COMPANY	)	File No. BPCT-860410KP
)	
and)	
)	
LINDSAY TELEVISION, INC.	)	File No. BPCT-860410KQ
)	
For Construction Permit for a new)	
Television Station, Channel 64,)	
Charlottesville, Virginia)	

To: The Commission

RECEIVED

JUL 27 1998

EXHIBITS TO
CONSOLIDATED REPLY TO OPPOSITIONS

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

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July 27, 1998

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TABLE OF EXHIBITS

1. Radio Frequency Analysis for Channel 18
2. Lines on Exhibit 1,
Virginia Licenses
3. Engineering Statement,
Clarence M. Beverage
4. Public Safety Radio Communications Plan
For Region 42
5. Comparative Program Schedules,
Charlottesville Noncommercial Translators

EXHIBIT 1

Radio Frequency Analysis for Channel 18

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
1	KWT817	FAIRFAX, CITY OF	494.38750000	385105	0771800	3730 OLD LEE HWY
2	KWT817	FAIRFAX, CITY OF	494.38750000	385042	0771835	4100 CHAINBRIDGE RD
3	KNT344	ALEXANDRIA, CITY OF	494.81250000	384749	0770322	835 S PAYNE ST
4	KNT344	ALEXANDRIA, CITY OF	494.81250000	384749	0770322	835 S PAYNE ST
5	KYJ586	UPPER OCCOQUAN SEWAGE AUTHORITY	495.28750000	384826	0772752	14631 COMPTON RD
6	KYJ586	UPPER OCCOQUAN SEWAGE AUTHORITY	495.28750000	384826	0772752	14631 COMPTON RD
7	KMA675	DC DEPARTMENT OF TRANSPORTATION	495.43750000	385159	0770425	900 S ORME
8	KMA675	DC DEPARTMENT OF TRANSPORTATION	495.46250000	385159	0770425	900 S ORME
9	WII850	CAPITOL RADIO COMMUNICATIONS INC	495.53750000	385344	0770804	5232 LEE HWY
10	WII850	CAPITOL RADIO COMMUNICATIONS INC	495.53750000	385344	0770804	5232 LEE HWY
11	KNS944	TEMP A TRON INC	495.56250000	390452	0775226	INT VA RTS 601 & 650 4 MI SW
12	WII520	SMYTHE, WILLIAM E	495.56250000	390452	0775226	INT VA RTS 601 AND 650
13	WIJ303	COMMONWEALTH PETROLEUM SERVICE LTD	495.56250000	390452	0775226	INT VA RTS 601 & 650
14	WIK662	TONY DEVEREUX FENCING INC	495.56250000	390452	0775226	INTS VA RTS 601 & 650
15	WIL334	SOUTHERN STATES LOUDOUN COUNTY COOP INC	495.56250000	390452	0775226	INTS VA RTS 601 & 650 4 MI SW
16	WPKU634	CHAMPION COMMUNICATION SERVICES INC	495.66250000	383925	0772600	WNV TOWER
17	WPKU634	CHAMPION COMMUNICATION SERVICES INC	495.66250000	383925	0772600	WNV TOWER
18	WIM695	GREAT EASTERN COMMUNICATIONS COMPANY	495.71250000	390452	0775226	INT OF VA RT 601 & 650
19	KNQ230	TURF SPECIALISTS OF NORTHERN VA INC	495.71250000	385431	0771259	7801 LEESBURG PK
20	KNA439	HAISLIP CORPORATION	495.73750000	385344	0770804	5232 LEE HWY
21	WPKA796	CAPITOL RADIO COMMUNICATIONS INC	495.76250000	385431	0771258	7801 LEESBURG PIKE
22	WPKA796	CAPITOL RADIO COMMUNICATIONS INC	495.76250000	385431	0771258	7801 LEESBURG PIKE
23	WPKA796	CAPITOL RADIO COMMUNICATIONS INC	495.76250000	385431	0771258	7801 LEESBURG PIKE
24	KNA539	SCHMITZ EXXON SERVICE INC	495.86250000	385457	0771338	8150 LEESBURG PIKE
25	WIK940	BENNETTS NURSERY INC	495.86250000	385457	0771338	LEESBURG PIKE BLDG

Line	City	County	State	FCC Class	MAAT	Erp	Radius
1	FAIRFAX		VA	PL	47	200	0
2	FAIRFAX		VA	PL	50	100	0
3	ALEXANDRIA		VA	PL	-28	40	48
4	ALEXANDRIA		VA	PL	0	10	48
5	CENTREVILLE	FAIRFAX	VA	PL	18	229	48
6	CENTREVILLE	FAIRFAX	VA	PL	0	102	48
7	ARLINGTON	ARLINGTON	VA	PL	41	300	0
8	ARLINGTON	ARLINGTON	VA	PL	41	300	0
9	ARLINGTON	ARLINGTON	VA	IB	140	400	48
10	ARLINGTON	ARLINGTON	VA	IB	0	129	48
11	BLUEMONT	CLARKE	VA	IB	364	150	48
12	BLUEMONT	CLARKE	VA	IB	364	150	48
13	BLUEMONT	CLARKE	VA	IB	364	150	48
14	BLUEMONT	CLARKE	VA	IB	364	150	48
15	BLUEMONT	CLARKE	VA	IB	364	150	48
16	INDEPENDENT	PRINCE WILLIAM	VA	IB	243	250	48
17	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
18	BLUEMONT	LOUDOUN	VA	IB	364	150	45
19	FAIRFAX		VA	IB	75	254	0
20	ARLINGTON	ARLINGTON	VA	IB	143	237	48
21	FALLS CHURCH		VA	IB	77	241	48
22	FALLS CHURCH		VA	IB	0	150	48
23	FALLS CHURCH		VA	IB	0	44	48
24	VIENNA	FAIRFAX	VA	IB	112	358	48
25	VIENNA	FAIRFAX	VA	IB	112	358	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
26	WPKU652	CHAMPION COMMUNICATION SERVICES INC	495.86250000	383925	0772600	WNVT TOWER
27	WPKU652	CHAMPION COMMUNICATION SERVICES INC	495.86250000	383925	0772600	WNVT TOWER
28	KWU675	CABLE CONSTRUCTORS	495.93750000	383900	0772530	RTS 624 & 627
29	KZH422	MORANS REFRIGERATION	495.96250000	385226	0770842	6200 WILSON BLVD
30	WIK927	FAIRFAX HOSPITAL	496.01250000	385129	0771341	3300 GALLOWS RD
31	WIK927	FAIRFAX HOSPITAL	496.01250000	385129	0771341	3300 GALLOWS RD
32	WPKU633	CHAMPION COMMUNICATION SERVICES INC	496.06250000	383925	0772600	WNVT TOWER
33	WPKU633	CHAMPION COMMUNICATION SERVICES INC	496.06250000	383925	0772600	WNVT TOWER
34	KNR625	ARLEN REALTY & DEV INC & ROSE, ALLAN	496.16250000	384728	0770330	5821 RICHMOND HIGHWAY
35	KNR625	ARLEN REALTY & DEV INC & ROSE, ALLAN	496.16250000	384728	0770330	5821 RICHMOND HIGHWAY
36	WII518	TURF SPECIALISTS OF NORTHERN VIRGINIA	496.16250000	385431	0771259	7801 LEESBURG PIKE
37	WIL247	SCHINDLER CORPORATION	496.26250000	385048	0770728	5599 SEMINARY RD
38	WIL812	ALEXANDRIA SANITATION AUTHORITY	496.28750000	384749	0770343	2001 MILL RD
39	WIL812	ALEXANDRIA SANITATION AUTHORITY	496.28750000	384749	0770343	2001 MILL RD
40	KGD810	GENSTAR STONE PRODUCTS COMPANY	496.31250000	385344	0770804	5232 LEE HWY
41	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.33750000	385046	0770721	5597 SEMINARY RD
42	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.33750000	385312	0771205	7330 RONALD RD
43	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.43750000	385046	0770721	5597 SEMINARY RD
44	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.43750000	385312	0771205	7330 RONALD RD
45	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.46250000	385046	0770721	5597 SEMINARY RD
46	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.46250000	385312	0771205	7330 RONALD RD
47	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.48750000	385046	0770721	5597 SEMINARY RD
48	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.48750000	385312	0771205	7330 RONALD RD
49	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.51250000	385046	0770721	5597 SEMINARY RD
50	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.51250000	385312	0771205	7330 RONALD RD
51	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.53750000	385046	0770721	5597 SEMINARY RD

Line	City	County	State	FCC Class	NAAT	Erp	Radius
26	INDEPENDENT	PRINCE WILLIAM	VA	IB	243	250	48
27	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
28	MANASSAS		VA	IB	154	237	48
29	FALLS CHURCH		VA	IB	118	190	48
30	FALLS CHURCH		VA	IB	67	50	3
31	FALLS CHURCH		VA	IB	0	4	3
32	INDEPENDENT	PRINCE WILLIAM	VA	IB	243	250	48
33	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
34	ALEXANDRIA		VA	IB	-12	72	16
35	ALEXANDRIA		VA	IB	0	15	16
36	FALLS CHURCH		VA	IB	77	160	48
37	FALLS CHURCH		VA	IB	102	284	0
38	ALEXANDRIA		VA	IB	-13	180	48
39	ALEXANDRIA		VA	IB	0	10	48
40	ARLINGTON	ARLINGTON	VA	IS	123	326	0
41	FALLS CHURCH		VA	LU	93	495	0
42	FALLS CHURCH		VA	LU	103	500	0
43	FALLS CHURCH		VA	LU	93	495	0
44	FALLS CHURCH		VA	LU	103	500	0
45	FALLS CHURCH		VA	LU	93	495	0
46	FALLS CHURCH		VA	LU	103	500	0
47	FALLS CHURCH		VA	LU	93	495	0
48	FALLS CHURCH		VA	LU	103	500	0
49	FALLS CHURCH		VA	LU	93	495	0
50	FALLS CHURCH		VA	LU	103	500	0
51	FALLS CHURCH		VA	LU	93	495	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
52	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.53750000	385312	0771205	7330 RONALD RD
53	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.56250000	385046	0770721	5597 SEMINARY RD
54	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.56250000	385312	0771205	7330 RONALD RD
55	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.58750000	385046	0770721	5597 SEMINARY RD
56	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.58750000	385312	0771205	7330 RONALD RD
57	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.61250000	385046	0770721	5597 SEMINARY RD
58	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.61250000	385312	0771205	7330 RONALD RD
59	WIL650	FINLEY PAVING INC	496.63750000	385412	0774001	29 RIDGE RD
60	WIL881	PAYNES PARKING DESIGNS INC	496.63750000	385412	0774001	2804 RIDGE RD
61	KNP379	B C & G UNDERGROUND CONSTRUCTION INC	496.68750000	385312	0771205	7330 RONALD
62	KNQ615	GREAT EASTERN COMMUNICATIONS COMPANY	496.71250000	390452	0775226	4 MI SW
63	WIH417	RAYMOND R RILEY EXCAVATING CO	496.71250000	390452	0775226	INTERSECTION VA RTS 601 & 650
64	WIJ902	AIR FREIGHT DELIVERY SERVICE INC	496.71250000	390452	0775226	INT OF VA RTS 601 AND 650 3 MI SW
65	WIJ902	AIR FREIGHT DELIVERY SERVICE INC	496.71250000	390452	0775226	INT OF VA RTS 601 AND 650 3 MI SW
66	WIK256	CLEMENS SERVICE COMPANY INC	496.71250000	390452	0775226	INTS VA RTS 601 & 650
67	WPKU662	CHAMPION COMMUNICATION SERVICES INC	496.78750000	383925	0772600	WNVT TOWER
68	WPKU662	CHAMPION COMMUNICATION SERVICES INC	496.78750000	383925	0772600	WNVT TOWER
69	WII371	CMH INC	496.81250000	385431	0771258	7801 LEESBURG PIKE
70	WPKJ549	CHAMPION COMMUNICATION SERVICES INC	496.81250000	385512	0771343	1751 PINNACLE DR
71	WPKJ549	CHAMPION COMMUNICATION SERVICES INC	496.81250000	385512	0771343	1751 PINNACLE DR
72	WIL559	COMMUNICATIONS ELECTRONICS OF VA INC	496.93750000	385431	0771258	7801 LEESBURG PIKE
73	WIL559	COMMUNICATIONS ELECTRONICS OF VA INC	496.93750000	385431	0771258	7801 LEESBURG PIKE
74	KNP460	WELLER TILE & MOSAICS INC	496.98750000	385418	0774021	2 MI S RT 7 ON RT 641
75	WII867	ROCCA, JOHN H	496.98750000	385418	0774021	BULL RUN MOUNTAIN
76	WII867	ROCCA, JOHN H	496.98750000	385418	0774021	BULL RUN MOUNTAIN
77	KWT817	FAIRFAX, CITY OF	497.38750000			

Line	City	County	State	FCC Class	HAAT	Erp	Radius
52	FALLS CHURCH		VA	LU	103	500	0
53	FALLS CHURCH		VA	LU	93	495	0
54	FALLS CHURCH		VA	LU	103	500	0
55	FALLS CHURCH		VA	LU	93	495	0
56	FALLS CHURCH		VA	LU	103	500	0
57	FALLS CHURCH		VA	LU	93	495	0
58	FALLS CHURCH		VA	LU	103	500	0
59	HAYMARKET	PRINCE WILLIAM	VA	IB	207	297	48
60	HAYMARKET	PRINCE WILLIAM	VA	IB	207	297	48
61	FALLS CHURCH		VA	IB	161	216	0
62	BLUEMONT	LOUDOUN	VA	IB	364	300	0
63	BLUEMONT	CLARKE	VA	IB	364	358	48
64	BLUEMONT	CLARKE	VA	IB	364	358	48
65	BLUEMONT	CLARKE	VA	IB	0	35	48
66	BLUEMONT	CLARKE	VA	IB	364	358	48
67	INDEPENDENT	PRINCE WILLIAM	VA	IB	243	250	48
68	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
69	TYSONS CORNER	FAIRFAX	VA	IB	109	472	48
70	MC LEAN	FAIRFAX	VA	IB	120	350	48
71	MC LEAN	FAIRFAX	VA	IB	0	50	48
72	FALLS CHURCH		VA	IB	77	241	48
73	FALLS CHURCH		VA	IB	0	150	48
74	ASHBURN	LOUDOUN	VA	IB	241	412	48
75	HAYMARKET	PRINCE WILLIAM	VA	IB	241	412	48
76	HAYMARKET	PRINCE WILLIAM	VA	IB	0	125	48
77		FAIRFAX	VA	PL	0	4	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
78	KWT817	FAIRFAX, CITY OF	497.38750000			
79	WIL698	UPPER OCCOQUAN SEWAGE AUTHORITY	498.26250000	384500	0770000	
80	KYJ586	UPPER OCCOQUAN SEWAGE AUTHORITY	498.28750000	384826	0772752	14631 COMPTON RD
81	WII850	CAPITOL RADIO COMMUNICATIONS INC	498.53750000	385344	0770804	5232 LEE HWY
82	KNS944	TEMP A TRON INC	498.56250000	390452	0775226	INT VA RTS 601 & 650 4 MI SW
83	KNS944	TEMP A TRON INC	498.56250000	390821	0774301	N 21ST ST
84	WII520	SMYTHE, WILLIAM E	498.56250000	390452	0775226	INT VA RTS 601 AND 650
85	WII520	SMYTHE, WILLIAM E	498.56250000	385803	0774410	13 W FEDERAL ST
86	WIJ303	COMMONWEALTH PETROLEUM SERVICE LTD	498.56250000	390452	0775226	INT VA RTS 601 & 650
87	WIJ303	COMMONWEALTH PETROLEUM SERVICE LTD	498.56250000	385802	0774415	11 W FEDERAL ST
88	WIK662	TONY DEVEREUX FENCING INC	498.56250000	390452	0775226	INTS VA RTS 601 & 650
89	WIK662	TONY DEVEREUX FENCING INC	498.56250000	390757	0775307	RT 2 BOX 3850
90	WIL334	SOUTHERN STATES LOUDOUN COUNTY COOP INC	498.56250000	390452	0775226	INTS VA RTS 601 & 650 4 MI SW
91	WIL334	SOUTHERN STATES LOUDOUN COUNTY COOP INC	498.56250000	390822	0774307	N 21ST ST
92	WPKU634	CHAMPION COMMUNICATION SERVICES INC	498.66250000	383925	0772600	WNVN TOWER
93	WPKU634	CHAMPION COMMUNICATION SERVICES INC	498.66250000	383925	0772600	WNVN TOWER
94	KB4484	TURF SPECIALISTS OF NORTHERN VA INC	498.71250000			
95	WIB289	TURF SPECIALISTS OF NORTHERN VA INC	498.71250000	384023	0771340	10500 OLD COLCHESTER RD
96	WIM695	GREAT EASTERN COMMUNICATIONS COMPANY	498.71250000	390452	0775226	INT OF VA RT 601 & 650
97	KNA439	HAISLIP CORPORATION	498.73750000	385344	0770804	5232 LEE HWY
98	WPKA796	CAPITOL RADIO COMMUNICATIONS INC	498.76250000	385431	0771258	7801 LEESBURG PIKE
99	KNA539	SCHMITZ EXXON SERVICE INC	498.86250000	385457	0771338	8150 LEESBURG PIKE
100	KNA539	SCHMITZ EXXON SERVICE INC	498.86250000	385541	0771427	8526 LEESBURG PIKE
101	WIK940	BENNETTS NURSERY INC	498.86250000	385457	0771338	LEESBURG PIKE BLDG
102	WIK940	BENNETTS NURSERY INC	498.86250000	385504	0771607	1908 BEULAH RD
103	WPKU652	CHAMPION COMMUNICATION SERVICES INC	498.86250000	383925	0772600	WNVN TOWER

Line	City	County	State	FCC Class	NAAT	Erp	Radius
78		FAIRFAX	VA	PL	0	40	0
79		FAIRFAX	VA	PL	0	15	8
80	CENTREVILLE	FAIRFAX	VA	PL	0	102	48
81	ARLINGTON	ARLINGTON	VA	IB	0	129	48
82	BLUEMONT	CLARKE	VA	IB	0	94.8	48
83	PURCELLVILLE	LOUDOUN	VA	IB	8	126	0
84	BLUEMONT	CLARKE	VA	IB	0	49.9	48
85	MIDDLEBURG	LOUDOUN	VA	IB	-2	100	0
86	BLUEMONT	CLARKE	VA	IB	0	49.9	48
87	MIDDLEBURG	LOUDOUN	VA	IB	3	100	0
88	BLUEMONT	CLARKE	VA	IB	0	49.9	48
89	BERRYVILLE	CLARKE	VA	IB	-71	100	0
90	BLUEMONT	CLARKE	VA	IB	0	111	48
91	PURCELLVILLE	LOUDOUN	VA	IB	5	126	0
92	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
93	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
94			VA	IB	0	75	0
95	LORTON	FAIRFAX	VA	IB	-16	93	0
96	BLUEMONT	LOUDOUN	VA	IB	0	50	45
97	ARLINGTON	ARLINGTON	VA	IB	0	71	48
98	FALLS CHURCH		VA	IB	0	150	48
99	VIENNA	FAIRFAX	VA	IB	0	148	48
100	VIENNA	FAIRFAX	VA	IB	28	67	0
101	VIENNA	FAIRFAX	VA	IB	0	35	48
102	VIENNA	FAIRFAX	VA	IB	5	51	0
103	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
104	WPKU652	CHAMPION COMMUNICATION SERVICES INC	498.86250000	383925	0772600	WNV TOWER
105	KWU675	CABLE CONSTRUCTORS	498.93750000	385110	0772230	4643 W OX RD
106	KWU675	CABLE CONSTRUCTORS	498.93750000	383900	0772530	RTS 624 & 627
107	KZH422	MORANS REFRIGERATION	498.96250000	384802	0770953	5649 S GENERAL WASHINGTON DR
108	KZH422	MORANS REFRIGERATION	498.96250000	385226	0770842	6200 WILSON BLVD
109	WIK927	FAIRFAX HOSPITAL	499.01250000	385129	0771341	3300 GALLOWS RD
110	WPKU633	CHAMPION COMMUNICATION SERVICES INC	499.06250000	383925	0772600	WNV TOWER
111	WPKU633	CHAMPION COMMUNICATION SERVICES INC	499.06250000	383925	0772600	WNV TOWER
112	WII518	TURF SPECIALISTS OF NORTHERN VIRGINIA	499.16250000	385431	0771259	7801 LEESBURG PIKE
113	WII518	TURF SPECIALISTS OF NORTHERN VIRGINIA	499.16250000	384023	0771340	10500 OLD COLCHESTER RD
114	WIJ687	ACTION COURIER SERVICE INC	499.21250000	385401	0770402	1117 N 19TH ST 3RD FL
115	WIL812	ALEXANDRIA SANITATION AUTHORITY	499.28750000	384749	0770343	2001 MILL RD
116	WIL812	ALEXANDRIA SANITATION AUTHORITY	499.28750000	384749	0770322	835 S PAYNE ST
117	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	384957	0770308	3501 GLEBE RD
118	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	384957	0770308	3501 GLEBE RD
119	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	385240	0770635	707 N RANDOLPH ST
120	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	385240	0770635	707 N RANDOLPH ST
121	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	384838	0770238	600 N ROYAL ST
122	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	384838	0770238	600 N ROYAL ST
123	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.33750000			
124	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	384957	0770308	3501 GLEBE RD
125	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	384957	0770308	3501 GLEBE RD
126	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	385240	0770635	707 N RANDOLPH ST
127	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	385240	0770635	707 N RANDOLPH ST
128	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	384838	0770238	600 N ROYAL ST
129	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	384838	0770238	600 N ROYAL ST

Line	City	County	State	FCC Class	MAAT	Erp	Radius
104	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
105	FAIRFAX		VA	IB	27	120	0
106	MANASSAS		VA	IB	0	195	48
107	ALEXANDRIA		VA	IB	16	32	0
108	FALLS CHURCH		VA	IB	0	79	48
109	FALLS CHURCH		VA	IB	0	4	3
110	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
111	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
112	FALLS CHURCH		VA	IB	0	25	48
113	LORTON	FAIRFAX	VA	IB	-15	25	0
114	ROSSLYN	ARLINGTON	VA	IB	-21	35	0
115	ALEXANDRIA		VA	IB	0	10	48
116	ALEXANDRIA		VA	IB	-25	40	0
117	ALEXANDRIA		VA	LU	-31	119	0
118	ALEXANDRIA		VA	LU	-31	119	0
119	ARLINGTON	ARLINGTON	VA	LU	27	119	0
120	ARLINGTON	ARLINGTON	VA	LU	27	119	0
121	ALEXANDRIA		VA	LU	-30	119	0
122	ALEXANDRIA		VA	LU	-30	119	0
123			VA	LU	0	80	0
124	ALEXANDRIA		VA	LU	-31	119	0
125	ALEXANDRIA		VA	LU	-31	119	0
126	ARLINGTON	ARLINGTON	VA	LU	27	119	0
127	ARLINGTON	ARLINGTON	VA	LU	27	119	0
128	ALEXANDRIA		VA	LU	-30	119	0
129	ALEXANDRIA		VA	LU	-30	119	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
130	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.43750000			
131	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	384957	0770308	3501 GLEBE RD
132	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	384957	0770308	3501 GLEBE RD
133	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	385240	0770635	707 N RANDOLPH ST
134	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	385240	0770635	707 N RANDOLPH ST
135	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	384838	0770238	600 N ROYAL ST
136	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	384838	0770238	600 N ROYAL ST
137	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.46250000			
138	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	384957	0770308	3501 GLEBE RD
139	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	384957	0770308	3501 GLEBE RD
140	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	385240	0770635	707 N RANDOLPH ST
141	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	385240	0770635	707 N RANDOLPH ST
142	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	384838	0770238	600 N ROYAL ST
143	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	384838	0770238	600 N ROYAL ST
144	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.48750000			
145	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	384957	0770308	3501 GLEBE RD
146	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	384957	0770308	3501 GLEBE RD
147	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	385240	0770635	707 N RANDOLPH ST
148	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	385240	0770635	707 N RANDOLPH ST
149	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	384838	0770238	600 N ROYAL ST
150	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	384838	0770238	600 N ROYAL ST
151	WIJ687	ACTION COURIER SERVICE INC	499.51250000	385401	0770402	1117 N 19TH ST 3RD FL
152	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.51250000			
153	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	384957	0770308	3501 GLEBE RD
154	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	384957	0770308	3501 GLEBE RD
155	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	385240	0770635	707 N RANDOLPH ST

Line	City	County	State	FCC Class	MAAT	Erp	Radius
130			VA	LU	0	80	0
131	ALEXANDRIA		VA	LU	-31	119	0
132	ALEXANDRIA		VA	LU	-31	119	0
133	ARLINGTON	ARLINGTON	VA	LU	27	119	0
134	ARLINGTON	ARLINGTON	VA	LU	27	119	0
135	ALEXANDRIA		VA	LU	-30	119	0
136	ALEXANDRIA		VA	LU	-30	119	0
137			VA	LU	0	80	0
138	ALEXANDRIA		VA	LU	-31	119	0
139	ALEXANDRIA		VA	LU	-31	119	0
140	ARLINGTON	ARLINGTON	VA	LU	27	119	0
141	ARLINGTON	ARLINGTON	VA	LU	27	119	0
142	ALEXANDRIA		VA	LU	-30	119	0
143	ALEXANDRIA		VA	LU	-30	119	0
144			VA	LU	0	80	0
145	ALEXANDRIA		VA	LU	-31	119	0
146	ALEXANDRIA		VA	LU	-31	119	0
147	ARLINGTON	ARLINGTON	VA	LU	27	119	0
148	ARLINGTON	ARLINGTON	VA	LU	27	119	0
149	ALEXANDRIA		VA	LU	-30	119	0
150	ALEXANDRIA		VA	LU	-30	119	0
151	ROSSLYN	ARLINGTON	VA	IB	-21	35	0
152			VA	LU	0	80	0
153	ALEXANDRIA		VA	LU	-31	119	0
154	ALEXANDRIA		VA	LU	-31	119	0
155	ARLINGTON	ARLINGTON	VA	LU	27	119	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
156	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	385240	0770635	707 N RANDOLPH ST
157	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	384838	0770238	600 N ROYAL ST
158	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	384838	0770238	600 N ROYAL ST
159	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.53750000			
160	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	384957	0770308	3501 GLEBE RD
161	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	384957	0770308	3501 GLEBE RD
162	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	385240	0770635	707 N RANDOLPH ST
163	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	385240	0770635	707 N RANDOLPH ST
164	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	384838	0770238	600 N ROYAL ST
165	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	384838	0770238	600 N ROYAL ST
166	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.56250000			
167	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	384957	0770308	3501 GLEBE RD
168	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	384957	0770308	3501 GLEBE RD
169	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	385240	0770635	707 N RANDOLPH ST
170	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	385240	0770635	707 N RANDOLPH ST
171	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	384838	0770238	600 N ROYAL ST
172	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	384838	0770238	600 N ROYAL ST
173	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.58750000			
174	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	384957	0770308	3501 GLEBE RD
175	WDD488	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	384957	0770308	3501 GLEBE RD
176	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	385240	0770635	707 N RANDOLPH ST
177	WDD489	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	385240	0770635	707 N RANDOLPH ST
178	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	384838	0770238	600 N ROYAL ST
179	WDD490	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	384838	0770238	600 N ROYAL ST
180	WIK879	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	499.61250000			
181	WIL650	FINLEY PAVING INC	499.63750000	385412	0774001	29 RIDGE RD

Line	City	County	State	FCC Class	NAAT	Erp	Radius
156	ARLINGTON	ARLINGTON	VA	LU	27	119	0
157	ALEXANDRIA		VA	LU	-30	119	0
158	ALEXANDRIA		VA	LU	-30	119	0
159			VA	LU	0	80	0
160	ALEXANDRIA		VA	LU	-31	119	0
161	ALEXANDRIA		VA	LU	-31	119	0
162	ARLINGTON	ARLINGTON	VA	LU	27	119	0
163	ARLINGTON	ARLINGTON	VA	LU	27	119	0
164	ALEXANDRIA		VA	LU	-30	119	0
165	ALEXANDRIA		VA	LU	-30	119	0
166			VA	LU	0	80	0
167	ALEXANDRIA		VA	LU	-31	119	0
168	ALEXANDRIA		VA	LU	-31	119	0
169	ARLINGTON	ARLINGTON	VA	LU	27	119	0
170	ARLINGTON	ARLINGTON	VA	LU	27	119	0
171	ALEXANDRIA		VA	LU	-30	119	0
172	ALEXANDRIA		VA	LU	-30	119	0
173			VA	LU	0	80	0
174	ALEXANDRIA		VA	LU	-31	119	0
175	ALEXANDRIA		VA	LU	-31	119	0
176	ARLINGTON	ARLINGTON	VA	LU	27	119	0
177	ARLINGTON	ARLINGTON	VA	LU	27	119	0
178	ALEXANDRIA		VA	LU	-30	119	0
179	ALEXANDRIA		VA	LU	-30	119	0
180			VA	LU	0	80	0
181	HAYMARKET	PRINCE WILLIAM	VA	IB	0	101	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
182	WIL650	FINLEY PAVING INC	499.63750000	384302	0772832	10907 BOUTILIER LN
183	WIL881	PAYNES PARKING DESIGNS INC	499.63750000	383741	0772651	INT RT 234 & 642
184	WIL881	PAYNES PARKING DESIGNS INC	499.63750000	384501	0774307	5145 SPRING BRANCH RD
185	WIL881	PAYNES PARKING DESIGNS INC	499.63750000	383022	0774230	INT RT 637 & US 17
186	KB3896	B C & G UNDERGROUND CONSTRUCTION INC	499.68750000			
187	WEB517	B C & G UNDERGROUND CONSTRUCTION INC	499.68750000	385340	0771030	6900 LITTLE FALLS RD
188	KB4816	GREAT EASTERN COMMUNICATIONS COMPANY	499.71250000	390452	0775226	
189	WIB720	GREAT EASTERN COMMUNICATIONS COMPANY	499.71250000	391213	0773639	VA RT 622 1 MI N
190	WIH417	RAYMOND R RILEY EXCAVATING CO	499.71250000	390452	0775226	INTERSECTION VA RTS 601 & 650
191	WIJ902	AIR FREIGHT DELIVERY SERVICE INC	499.71250000	390452	0775226	INT OF VA RTS 601 AND 650 3 MI SW
192	WIJ902	AIR FREIGHT DELIVERY SERVICE INC	499.71250000	390708	0781131	ON MUSKET DR 1/8 MI E OF VA RT 1
193	WIK256	CLEMENS SERVICE COMPANY INC	499.71250000	390452	0775226	INTS VA RTS 601 & 650
194	WIK256	CLEMENS SERVICE COMPANY INC	499.71250000	390627	0773332	148 CATOCTIN CIR SE
195	WPKU662	CHAMPION COMMUNICATION SERVICES INC	499.78750000	383925	0772600	WNV TOWER
196	WPKU662	CHAMPION COMMUNICATION SERVICES INC	499.78750000	383925	0772600	WNV TOWER
197	WII371	CMH INC	499.81250000	385431	0771258	7801 LEESBURG PIKE
198	WII371	CMH INC	499.81250000	385231	0771406	2816 DORR AVE
199	WPKJ549	CHAMPION COMMUNICATION SERVICES INC	499.81250000	385512	0771343	1751 PINNACLE DR
200	WPKJ549	CHAMPION COMMUNICATION SERVICES INC	499.81250000	385512	0771343	1751 PINNACLE DR
201	WIL559	COMMUNICATIONS ELECTRONICS OF VA INC	499.93750000	385431	0771258	7801 LEESBURG PIKE
202	WIL559	COMMUNICATIONS ELECTRONICS OF VA INC	499.93750000	385431	0771258	7801 LEESBURG PIKE
203	WII867	ROCCA, JOHN H	499.98750000	385418	0774021	BULL RUN MOUNTAIN
204	KNP460	WELLER TILE & MOSAICS INC	499.98750000	385418	0774021	2 MI S RT 7 ON RT 641
205	WII867	ROCCA, JOHN H	499.98750000	390235	0773829	RT 733 1 1/2 MI W OF RT 15
206	KNKK735	MTEL PAGING, INC.	494.08750000	391715	0763615	USF&G BLDG., 100 LIGHT ST.
207	KNKK735	MTEL PAGING, INC.	494.08750000	391715	0763615	USF&G BLDG., 100 LIGHT ST.

Line	City	County	State	FCC Class	NAAT	Erp	Radius
182	MANASSAS		VA	IB	9	101	0
183	MANASSAS		VA	IB	0	78	0
184	WARRENTON	FAUQUIER	VA	IB	22	96	0
185	BEALETON	FAUQUIER	VA	IB	30	29	0
186			VA	IB	0	98	0
187	ARLINGTON		VA	IB	19	25	0
188		LOUDOUN	VA	IB	0	150	48
189	WATERFORD	LOUDOUN	VA	IB	12	89	0
190	BLUEMONT	CLARKE	VA	IB	0	49.9	48
191	BLUEMONT	CLARKE	VA	IB	0	35	48
192	WINCHESTER		VA	IB	-23	35	0
193	BLUEMONT	CLARKE	VA	IB	0	125	48
194	LEESBURG	LOUDOUN	VA	IB	-13	101	0
195	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
196	INDEPENDENT	PRINCE WILLIAM	VA	IB	0	50	48
197	TYSONS CORNER	FAIRFAX	VA	IB	0	87	48
198	FAIRFAX		VA	IB	12	70	0
199	MC LEAN	FAIRFAX	VA	IB	0	50	48
200	MC LEAN	FAIRFAX	VA	IB	0	50	48
201	FALLS CHURCH		VA	IB	0	150	48
202	FALLS CHURCH		VA	IB	0	44	48
203	HAYMARKET	PRINCE WILLIAM	VA	IB	0	125	48
204	ASHBURN	LOUDOUN	VA	IB	0	125	48
205	LEESBURG	LOUDOUN	VA	IB	-5	15	0
206	BALTIMORE	BALTIMORE	MD	CD		232	
207	BALTIMORE	BALTIMORE	MD	CD		232	

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
208	KNKK735	MTEL PAGING, INC.	494.08750000	391715	0763615	USF&G BLDG., 100 LIGHT ST.
209	KNKM359	SIGNAL ONE OF WASHINGTON	494.13750000	390746	0765246	2.5 MILES NW OF
210	KNKM359	SIGNAL ONE OF WASHINGTON	494.13750000	390746	0765246	2.5 MILES NW OF
211	KNKM359	SIGNAL ONE OF WASHINGTON	494.13750000	390746	0765246	2.5 MILES NW OF
212	KNKL380	SKYTEL CORPORATION	494.26250000	391715	0763615	USF&G BLDG., 100 LIGHT STREET
213	KNKM815	PAGING NETWORK OF WASHINGTON, INC.	494.28750000	391718	0764518	2038 POWERS LANE
214	KNKM815	PAGING NETWORK OF WASHINGTON, INC.	494.28750000	391718	0764518	2038 POWERS LANE
215	KGA247	FREDERICK, CITY OF	494.31250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
216	KGA247	FREDERICK, CITY OF	494.31250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
217	KGA247	FREDERICK, CITY OF	494.31250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
218	WIK371	PRINCE GEORGES, COUNTY OF	494.31250000	385133	0765349	2200 COUNTY RD
219	WIK371	PRINCE GEORGES, COUNTY OF	494.31250000			
220	KTL460	MARYLAND, STATE OF	494.33750000	391705	0764420	5901 BALTIMORE NATL PIKE
221	KTL460	MARYLAND, STATE OF	494.33750000	392650	0763900	MAYS CHAPEL
222	KGA247	FREDERICK, CITY OF	494.36250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
223	KGA247	FREDERICK, CITY OF	494.36250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
224	KGA247	FREDERICK, CITY OF	494.36250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
225	WIL597	CHEVY CHASE, VILLAGE OF	494.36250000	385816	0770436	5906 CONNECTICUT AVE
226	WIL597	CHEVY CHASE, VILLAGE OF	494.36250000	385816	0770436	5906 CONNECTICUT AVE
227	WIL597	CHEVY CHASE, VILLAGE OF	494.36250000	385816	0770436	5906 CONNECTICUT AVE
228	KV8752	BALTIMORE, CITY OF	494.38750000			
229	KXC752	BALTIMORE, CITY OF	494.38750000	391911	0763948	2901 LIBERTY HEIGHTS AVE
230	KXC752	BALTIMORE, CITY OF	494.38750000	392110	0764105	3500 W NORTHERN PKY
231	KGA247	FREDERICK, CITY OF	494.41250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
232	KGA247	FREDERICK, CITY OF	494.41250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
233	KGA247	FREDERICK, CITY OF	494.41250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK

Line	City	County	State	FCC Class	NAAT	Erp	Radius
208	BALTIMORE	BALTIMORE	MD	CD		232	
209	LAUREL	HOWARD	MD	CD		1000	
210	LAUREL	HOWARD	MD	CD		1000	
211	LAUREL	HOWARD	MD	CD		1000	
212	BALTIMORE	BALTIMORE	MD	CD		231	
213	CATONSVILLE	BALTIMORE	MD	CD		832	
214	CATONSVILLE	BALTIMORE	MD	CD		832	
215	FREDERICK	FREDERICK	MD	PP	333	149	48
216	FREDERICK	FREDERICK	MD	PP	0	75	48
217	FREDERICK	FREDERICK	MD	PP	0	238	48
218	DISTRICT HEIGHTS	PRINCE GEORGES	MD	PL	99	382	0
219		PRINCE GEORGES	MD	PL	0	108	0
220	BALTIMORE		MD	PL	191	385	48
221	TIMONIUM	BALTIMORE	MD	PL	98	250	0
222	FREDERICK	FREDERICK	MD	PP	0	75	48
223	FREDERICK	FREDERICK	MD	PP	0	238	48
224	FREDERICK	FREDERICK	MD	PP	333	149	48
225	CHEVY CHASE	MONTGOMERY	MD	PL	45	50	16
226	CHEVY CHASE	MONTGOMERY	MD	PL	0	20	16
227	CHEVY CHASE	MONTGOMERY	MD	PL	0	4	16
228			MD	PL	0	40	0
229	BALTIMORE		MD	PL	40	312	0
230	BALTIMORE		MD	PL	44	423	0
231	FREDERICK	FREDERICK	MD	PP	0	75	48
232	FREDERICK	FREDERICK	MD	PP	0	238	48
233	FREDERICK	FREDERICK	MD	PP	333	149	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
234	KYX556	MONTGOMERY, COUNTY OF	494.41250000	391245	0774419	RT 27 & BRINK RD
235	KTL460	MARYLAND, STATE OF	494.43750000	391705	0764420	5901 BALTIMORE NATL PIKE
236	KTL460	MARYLAND, STATE OF	494.43750000	392650	0763900	MAYS CHAPEL
237	WIK391	MONTGOMERY, COUNTY OF	494.46250000	390249	0770643	ONE WHITE FLINT N 11155 ROCKVIL
238	WIK391	MONTGOMERY, COUNTY OF	494.46250000	390249	0770643	ONE WHITE FLINT N 11155 ROCKVIL
239	WIK391	MONTGOMERY, COUNTY OF	494.46250000			
240	KV8752	BALTIMORE, CITY OF	494.48750000			
241	KXC752	BALTIMORE, CITY OF	494.48750000	391911	0763948	2901 LIBERTY HEIGHTS AVE
242	KXC752	BALTIMORE, CITY OF	494.48750000	392110	0764105	3500 W NORTHERN PKY
243	KTL670	ANNE ARUNDEL, COUNTY OF	494.51250000	390558	0763722	8495 VETERANS HWY
244	KTL670	ANNE ARUNDEL, COUNTY OF	494.51250000	390558	0763722	8495 VETERANS HWY
245	KTL670	ANNE ARUNDEL, COUNTY OF	494.51250000	390558	0763722	8495 VETERANS HWY
246	WIJ471	PRINCE GEORGES, COUNTY OF	494.53750000	385823	0764430	BELAIR DR
247	WIJ471	PRINCE GEORGES, COUNTY OF	494.53750000			
248	WIJ471	PRINCE GEORGES, COUNTY OF	494.56250000	384235	0765144	8200 DYSON RD
249	WIJ471	PRINCE GEORGES, COUNTY OF	494.56250000			
250	KV8752	BALTIMORE, CITY OF	494.58750000			
251	KXC752	BALTIMORE, CITY OF	494.58750000	391911	0763948	2901 LIBERTY HEIGHTS AVE
252	KXC752	BALTIMORE, CITY OF	494.58750000	392110	0764105	3500 W NORTHERN PKY
253	KTL460	MARYLAND, STATE OF	494.61250000	391705	0764420	5901 BALTIMORE NATL PIKE
254	KTL460	MARYLAND, STATE OF	494.61250000	392650	0763900	MAYS CHAPEL
255	KTL460	MARYLAND, STATE OF	494.63750000	391705	0764420	5901 BALTIMORE NATL PIKE
256	KTL460	MARYLAND, STATE OF	494.63750000	392650	0763900	MAYS CHAPEL
257	KUX236	PRINCE GEORGES, COUNTY OF	494.66250000			
258	WIH738	BALTIMORE, CITY OF	494.66250000	391728	0763641	
259	WIJ471	PRINCE GEORGES, COUNTY OF	494.66250000	384235	0765144	8200 DYSON RD

Line	City	County	State	FCC Class	MAAT	Erp	Radius
234	HENDERSON	MONTGOMERY	MD	PL	98	600	0
235	BALTIMORE		MD	PL	191	385	48
236	TIMONIUM	BALTIMORE	MD	PL	98	250	0
237	ROCKVILLE	MONTGOMERY	MD	PL	101	600	0
238	ROCKVILLE	MONTGOMERY	MD	PL	101	600	0
239		MONTGOMERY	MD	PL	0	0	0
240			MD	PL	0	40	0
241	BALTIMORE		MD	PL	40	312	0
242	BALTIMORE		MD	PL	44	423	0
243	MILLERSVILLE	ANNE ARUNDEL	MD	PP	131	103	48
244	MILLERSVILLE	ANNE ARUNDEL	MD	PP	131	103	48
245	MILLERSVILLE	ANNE ARUNDEL	MD	PP	0	5	48
246	BOWIE	PRINCE GEORGES	MD	PL	77	346	0
247		PRINCE GEORGES	MD	PL	0	19	0
248	BRANDYWINE	PRINCE GEORGES	MD	PL	105	265	0
249		PRINCE GEORGES	MD	PL	0	19	0
250			MD	PL	0	10	0
251	BALTIMORE		MD	PL	40	312	0
252	BALTIMORE		MD	PL	44	423	0
253	BALTIMORE		MD	PL	191	385	48
254	TIMONIUM	BALTIMORE	MD	PL	98	250	0
255	BALTIMORE		MD	PL	191	385	48
256	TIMONIUM	BALTIMORE	MD	PL	98	250	0
257		PRINCE GEORGES	MD	PL	0	158	0
258			MD	PL	0	1	48
259	BRANDYWINE	PRINCE GEORGES	MD	PL	105	265	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
260	WIJ471	PRINCE GEORGES, COUNTY OF	494.68750000	390123	0765519	NATIONAL AGRICULTURAL LIBRARY
261	WIJ471	PRINCE GEORGES, COUNTY OF	494.68750000			
262	KCU652	MONTGOMERY, COUNTY OF	494.71250000	390711	0771047	SHADY GROVE RD & RT 355
263	KCU652	MONTGOMERY, COUNTY OF	494.71250000	390711	0771047	SHADY GROVE RD & RT 355
264	KXF424	MONTGOMERY, COUNTY OF	494.71250000	391712	0771222	RT 122 & 27
265	KXF424	MONTGOMERY, COUNTY OF	494.71250000	391712	0771222	RT 122 & 27
266	KXF426	MONTGOMERY, COUNTY OF	494.71250000	385848	0770651	RADNOR RD & BRITE
267	KXF426	MONTGOMERY, COUNTY OF	494.71250000	385848	0770651	RADNOR RD & BRITE
268	KXF427	MONTGOMERY, COUNTY OF	494.71250000	390716	0765920	MD RT 650 & 198
269	KXF427	MONTGOMERY, COUNTY OF	494.71250000	390716	0765920	MD RT 650 & 198
270	KYX556	MONTGOMERY, COUNTY OF	494.71250000	391245	0774419	RT 27 & BRINK RD
271	KYX556	MONTGOMERY, COUNTY OF	494.71250000	391245	0774419	RT 27 & BRINK RD
272	KUX236	PRINCE GEORGES, COUNTY OF	494.73750000	385956	0765115	GODDARD SPACE FLIGHT CTR
273	KUX236	PRINCE GEORGES, COUNTY OF	494.73750000			
274	KTL460	MARYLAND, STATE OF	494.76250000	391705	0764420	5901 BALTIMORE NATL PIKE
275	KTL460	MARYLAND, STATE OF	494.76250000	392650	0763900	MAYS CHAPEL
276	KUX236	PRINCE GEORGES, COUNTY OF	494.78750000			
277	WIJ471	PRINCE GEORGES, COUNTY OF	494.78750000	384235	0765144	8200 DYSON RD
278	KSE564	MONTGOMERY, COUNTY OF	494.81250000	390409	0770943	1307 SEVEN LOCKS
279	KSE564	MONTGOMERY, COUNTY OF	494.81250000	390409	0770943	1307 SEVEN LOCKS
280	KTL460	MARYLAND, STATE OF	494.81250000	391705	0764420	5901 BALTIMORE NATL PIKE
281	KTL460	MARYLAND, STATE OF	494.81250000	392650	0763900	MAYS CHAPEL
282	KUX236	PRINCE GEORGES, COUNTY OF	494.83750000	385956	0765115	GODDARD SPACE FLIGHT CTR
283	KUX236	PRINCE GEORGES, COUNTY OF	494.83750000			
284	KSE564	MONTGOMERY, COUNTY OF	494.86250000	390451	0770850	101 MONROE ST
285	KSE564	MONTGOMERY, COUNTY OF	494.86250000	390451	0770850	101 MONROE ST

Line	City	County	State	FCC Class	MAAT	Erp	Radius
260	BELTSVILLE	PRINCE GEORGES	MD	PL	45	575	0
261		PRINCE GEORGES	MD	PL	0	19	0
262	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
263	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
264	DAMACUS	MONTGOMERY	MD	PL	134	600	0
265	DAMACUS	MONTGOMERY	MD	PL	134	600	0
266	BETHESDA	MONTGOMERY	MD	PL	86	600	0
267	BETHESDA	MONTGOMERY	MD	PL	86	600	0
268	SPENCER	MONTGOMERY	MD	PL	78	600	0
269	SPENCER	MONTGOMERY	MD	PL	78	600	0
270	HENDERSON	MONTGOMERY	MD	PL	98	600	0
271	HENDERSON	MONTGOMERY	MD	PL	98	600	0
272	GREENBELT	PRINCE GEORGES	MD	PL	83	331	0
273		PRINCE GEORGES	MD	PL	0	19	0
274	BALTIMORE		MD	PL	191	385	48
275	TIMONIUM	BALTIMORE	MD	PL	98	250	0
276		PRINCE GEORGES	MD	PL	0	158	0
277	BRANDYWINE	PRINCE GEORGES	MD	PL	105	265	0
278	ROCKVILLE	MONTGOMERY	MD	PL	23	4	8
279	ROCKVILLE	MONTGOMERY	MD	PL	23	4	8
280	BALTIMORE		MD	PL	191	385	48
281	TIMONIUM	BALTIMORE	MD	PL	98	250	0
282	GREENBELT	PRINCE GEORGES	MD	PL	83	331	0
283		PRINCE GEORGES	MD	PL	0	158	0
284	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
285	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
286	KXF424	MONTGOMERY, COUNTY OF	494.86250000	391712	0771222	RT 122 & 27
287	KXF424	MONTGOMERY, COUNTY OF	494.86250000	391712	0771222	RT 122 & 27
288	KXF425	MONTGOMERY, COUNTY OF	494.86250000	390946	0772403	JONESVILLE & JERUSALEM
289	KXF425	MONTGOMERY, COUNTY OF	494.86250000	390946	0772403	JONESVILLE & JERUSALEM
290	KXF426	MONTGOMERY, COUNTY OF	494.86250000	385848	0770651	RADNOR RD & BRITE
291	KXF426	MONTGOMERY, COUNTY OF	494.86250000	385848	0770651	RADNOR RD & BRITE
292	KXF427	MONTGOMERY, COUNTY OF	494.86250000	390716	0765920	MD RT 650 & 198
293	KXF427	MONTGOMERY, COUNTY OF	494.86250000	390716	0765920	MD RT 650 & 198
294	KYX558	MONTGOMERY, COUNTY OF	494.86250000	390341	0770307	RT 97 & LAYHILL
295	KYX558	MONTGOMERY, COUNTY OF	494.86250000	390341	0770307	RT 97 & LAYHILL
296	WIJ471	PRINCE GEORGES, COUNTY OF	494.88750000	385214	0765616	INT OF VINE ST & SOUTHERN AVE
297	WIJ471	PRINCE GEORGES, COUNTY OF	494.88750000			
298	KNS222	UNIVERSITY OF MARYLAND AT BALTIMORE	494.91250000	391717	0763727	655 W BALTIMORE ST
299	KSE564	MONTGOMERY, COUNTY OF	494.91250000	390451	0770850	101 MONROE ST
300	KSE564	MONTGOMERY, COUNTY OF	494.91250000	390451	0770850	101 MONROE ST
301	KXF424	MONTGOMERY, COUNTY OF	494.91250000	391712	0771222	RT 122 & 27
302	KXF424	MONTGOMERY, COUNTY OF	494.91250000	391712	0771222	RT 122 & 27
303	KXF425	MONTGOMERY, COUNTY OF	494.91250000	390946	0772403	JONESVILLE & JERUSALEM
304	KXF425	MONTGOMERY, COUNTY OF	494.91250000	390946	0772403	JONESVILLE & JERUSALEM
305	KXF426	MONTGOMERY, COUNTY OF	494.91250000	385848	0770651	RADNOR RD & BRITE
306	KXF426	MONTGOMERY, COUNTY OF	494.91250000	385848	0770651	RADNOR RD & BRITE
307	KXF427	MONTGOMERY, COUNTY OF	494.91250000	390716	0765920	MD RT 650 & 198
308	KXF427	MONTGOMERY, COUNTY OF	494.91250000	390716	0765920	MD RT 650 & 198
309	KYX558	MONTGOMERY, COUNTY OF	494.91250000	390341	0770307	RT 97 & LAYHILL
310	KYX558	MONTGOMERY, COUNTY OF	494.91250000	390341	0770307	RT 97 & LAYHILL
311	WII931	MONTGOMERY, COUNTY OF	494.91250000	390035	0770234	GEORGIA AVE & SEMINARY PL

Line	City	County	State	FCC Class	NAAT	Erp	Radius
286	DAMACUS	MONTGOMERY	MD	PL	134	600	0
287	DAMACUS	MONTGOMERY	MD	PL	134	600	0
288	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
289	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
290	BETHESDA	MONTGOMERY	MD	PL	86	600	0
291	BETHESDA	MONTGOMERY	MD	PL	86	600	0
292	SPENCER	MONTGOMERY	MD	PL	78	600	0
293	SPENCER	MONTGOMERY	MD	PL	78	600	0
294	WHEATON	MONTGOMERY	MD	PL	95	600	0
295	WHEATON	MONTGOMERY	MD	PL	95	600	0
296	BRADBURY HEIGHTS	PRINCE GEORGES	MD	PL	96	346	0
297		PRINCE GEORGES	MD	PL	0	19	0
298	BALTIMORE		MD	PL	5	20	0
299	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
300	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
301	DAMACUS	MONTGOMERY	MD	PL	134	600	0
302	DAMACUS	MONTGOMERY	MD	PL	134	600	0
303	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
304	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
305	BETHESDA	MONTGOMERY	MD	PL	86	600	0
306	BETHESDA	MONTGOMERY	MD	PL	86	600	0
307	SPENCER	MONTGOMERY	MD	PL	78	600	0
308	SPENCER	MONTGOMERY	MD	PL	78	600	0
309	WHEATON	MONTGOMERY	MD	PL	95	600	0
310	WHEATON	MONTGOMERY	MD	PL	95	600	0
311	SILVER SPRING	MONTGOMERY	MD	PP	37	800	0

Line	Call Sign	Licensor	Frequency	Latitude	Longitude	Transmitter Address
312	WII931	MONTGOMERY, COUNTY OF	494.91250000	390035	0770234	GEORGIA AVE & SEMINARY PL
313	KUX236	PRINCE GEORGES, COUNTY OF	494.93750000	384733	0765508	6909 KIDDEMINSTER DR
314	KUX236	PRINCE GEORGES, COUNTY OF	494.93750000			
315	KTL460	MARYLAND, STATE OF	494.96250000	391705	0764420	5901 BALTIMORE NATL PIKE
316	KTL460	MARYLAND, STATE OF	494.96250000	392650	0763900	MAYS CHAPEL
317	KV8752	BALTIMORE, CITY OF	494.98750000			
318	KXC752	BALTIMORE, CITY OF	494.98750000	391911	0763948	2901 LIBERTY HEIGHTS AVE
319	KXC752	BALTIMORE, CITY OF	494.98750000	392110	0764105	3500 W NORTHERN PKY
320	WIH964	BALTIMORE, CITY OF	494.98750000	391931	0763838	BALTIMORE ZOO MANSION HOUSE
321	KUX236	PRINCE GEORGES, COUNTY OF	495.01250000	385133	0765349	2200 COUNTY RD
322	KUX236	PRINCE GEORGES, COUNTY OF	495.01250000			
323	KTL460	MARYLAND, STATE OF	495.03750000	391705	0764420	5901 BALTIMORE NATL PIKE
324	KTL460	MARYLAND, STATE OF	495.03750000	392650	0763900	MAYS CHAPEL
325	KUX236	PRINCE GEORGES, COUNTY OF	495.06250000	390039	0765304	INT OF RIDGE RD & LASTNER LN
326	KUX236	PRINCE GEORGES, COUNTY OF	495.06250000			
327	WIJ471	PRINCE GEORGES, COUNTY OF	495.08750000	384843	0765822	ALICE AVE
328	WIJ471	PRINCE GEORGES, COUNTY OF	495.08750000			
329	KV8752	BALTIMORE, CITY OF	495.11250000			
330	KXC752	BALTIMORE, CITY OF	495.11250000	391911	0763948	2901 LIBERTY HEIGHTS AVE
331	KXC752	BALTIMORE, CITY OF	495.11250000	392110	0764105	3500 W NORTHERN PKY
332	WNB467	BALTIMORE, CITY OF	495.11250000	391728	0763641	HOLIDAY & LEXINGTON STS
333	WIJ471	PRINCE GEORGES, COUNTY OF	495.13750000	385054	0765533	INT OF MD RTS 458 & 218
334	WIJ471	PRINCE GEORGES, COUNTY OF	495.13750000			
335	KG322	MOUNT RAINIER, CITY OF	495.16250000	385616	0765744	32ND & SHEPHERD ST
336	KTL460	MARYLAND, STATE OF	495.16250000	391705	0764420	5901 BALTIMORE NATL PIKE
337	KTL460	MARYLAND, STATE OF	495.16250000	392650	0763900	MAYS CHAPEL

Line	City	County	State	FCC Class	HAAT	Erp	Radius
312	SILVER SPRING	MONTGOMERY	MD	PP	37	800	0
313	CAMP SPRINGS	PRINCE GEORGES	MD	PL	87	346	0
314		PRINCE GEORGES	MD	PL	0	19	0
315	BALTIMORE		MD	PL	191	385	48
316	TIMONIUM	BALTIMORE	MD	PL	98	250	0
317			MD	PL	0	40	0
318	BALTIMORE		MD	PL	40	312	0
319	BALTIMORE		MD	PL	44	423	0
320	BALTIMORE		MD	PL	10	42	0
321	DISTRICT HEIGHTS	PRINCE GEORGES	MD	PL	102	331	0
322		PRINCE GEORGES	MD	PL	0	158	0
323	BALTIMORE		MD	PL	191	385	48
324	TIMONIUM	BALTIMORE	MD	PL	98	250	0
325	GREENBELT	PRINCE GEORGES	MD	PL	51	416	0
326		PRINCE GEORGES	MD	PL	0	158	0
327	OXON HILL	PRINCE GEORGES	MD	PL	89	346	0
328		PRINCE GEORGES	MD	PL	0	19	0
329			MD	PL	0	25	0
330	BALTIMORE		MD	PL	40	312	0
331	BALTIMORE		MD	PL	44	423	0
332	BALTIMORE		MD	PL	21	400	0
333	SUITLAND	PRINCE GEORGES	MD	PL	91	346	0
334		PRINCE GEORGES	MD	PL	0	19	0
335	MOUNT RAINER	PRINCE GEORGES	MD	PP	14	240	0
336	BALTIMORE		MD	PL	191	385	48
337	TIMONIUM	BALTIMORE	MD	PL	98	250	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
338	KCX752	BALTIMORE, CITY OF	495.18750000	391911	0763948	2901 LIBERTY HEIGHTS
339	KV8752	BALTIMORE, CITY OF	495.18750000			
340	KXC752	BALTIMORE, CITY OF	495.18750000	391911	0763948	2901 LIBERTY HEIGHTS AVE
341	KXC752	BALTIMORE, CITY OF	495.18750000	392110	0764105	3500 W NORTHERN PKY
342	WIK371	PRINCE GEORGES, COUNTY OF	495.21250000	390550	0765400	INT OF MD RT 198 & SWEITZER LN
343	WIK371	PRINCE GEORGES, COUNTY OF	495.21250000			
344	KNS244	UNIVERSITY OF MARYLAND AT BALTIMORE	495.23750000	391718	0763729	655 W BALTIMORE ST
345	KXY611	ROCKVILLE, CITY OF	495.23750000	390504	0770909	EXECUTIVE OFC BLDG 101 MONROE
346	KV8752	BALTIMORE, CITY OF	495.26250000			
347	KXC752	BALTIMORE, CITY OF	495.26250000	391911	0763948	2901 LIBERTY HEIGHTS AVE
348	KXC752	BALTIMORE, CITY OF	495.26250000	392110	0764105	3500 W NORTHERN PKY
349	WIE796	BALTIMORE, CITY OF	495.26250000	391735	0762930	8201 EASTERN BLVD
350	KV8752	BALTIMORE, CITY OF	495.28750000			
351	KXC752	BALTIMORE, CITY OF	495.28750000	391911	0763948	2901 LIBERTY HEIGHTS AVE
352	KXC752	BALTIMORE, CITY OF	495.28750000	392110	0764105	3500 W NORTHERN PKY
353	WIE794	BALTIMORE, CITY OF	495.28750000	391740	0763705	115 W FRANKLIN
354	WNB467	BALTIMORE, CITY OF	495.28750000	391728	0763641	HOLIDAY & LEXINGTON STS
355	KCU652	MONTGOMERY, COUNTY OF	495.31250000	390711	0771047	SHADY GROVE RD & RT 355
356	KCU652	MONTGOMERY, COUNTY OF	495.31250000	390711	0771047	SHADY GROVE RD & RT 355
357	KSE564	MONTGOMERY, COUNTY OF	495.31250000	390451	0770850	101 MONROE ST
358	KSE564	MONTGOMERY, COUNTY OF	495.31250000	390451	0770850	101 MONROE ST
359	KXF424	MONTGOMERY, COUNTY OF	495.31250000	391712	0771222	RT 122 & 27
360	KXF424	MONTGOMERY, COUNTY OF	495.31250000	391712	0771222	RT 122 & 27
361	KXF425	MONTGOMERY, COUNTY OF	495.31250000	390946	0772403	JONESVILLE & JERUSALEM
362	KXF425	MONTGOMERY, COUNTY OF	495.31250000	390946	0772403	JONESVILLE & JERUSALEM
363	KXF426	MONTGOMERY, COUNTY OF	495.31250000	385848	0770651	RADNOR RD & BRITE

Line	City	County	State	FCC Class	NAAT	Erp	Radius
338	BALTIMORE		MD	PL	42	40	0
339			MD	PL	0	40	0
340	BALTIMORE		MD	PL	40	312	0
341	BALTIMORE		MD	PL	44	423	0
342	LAUREL	PRINCE GEORGES	MD	PL	84	391	0
343		PRINCE GEORGES	MD	PL	0	108	0
344	BALTIMORE		MD	PL	24	150	0
345	ROCKVILLE	MONTGOMERY	MD	PP	30	500	48
346			MD	PL	0	40	0
347	BALTIMORE		MD	PL	40	312	0
348	BALTIMORE		MD	PL	44	423	0
349	BALTIMORE		MD	PL	3	42	0
350			MD	PL	0	25	0
351	BALTIMORE		MD	PL	40	312	0
352	BALTIMORE		MD	PL	44	423	0
353	BALTIMORE		MD	PL	-7	42	0
354	BALTIMORE		MD	PL	21	400	0
355	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
356	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
357	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
358	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
359	DAMACUS	MONTGOMERY	MD	PL	134	600	0
360	DAMACUS	MONTGOMERY	MD	PL	134	600	0
361	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
362	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
363	BETHESDA	MONTGOMERY	MD	PL	86	600	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
364	KXF426	MONTGOMERY, COUNTY OF	495.31250000	385848	0770651	RADNOR RD & BRITE
365	KXF427	MONTGOMERY, COUNTY OF	495.31250000	390716	0765920	MD RT 650 & 198
366	KXF427	MONTGOMERY, COUNTY OF	495.31250000	390716	0765920	MD RT 650 & 198
367	KYX555	MONTGOMERY, COUNTY OF	495.31250000	390852	0770355	RT 97 & 108
368	KYX555	MONTGOMERY, COUNTY OF	495.31250000	390852	0770355	RT 97 & 108
369	KYX558	MONTGOMERY, COUNTY OF	495.31250000	390341	0770307	RT 97 & LAYHILL
370	KYX558	MONTGOMERY, COUNTY OF	495.31250000	390341	0770307	RT 97 & LAYHILL
371	KSE564	MONTGOMERY, COUNTY OF	495.33750000	390451	0770850	101 MONROE ST
372	KSE564	MONTGOMERY, COUNTY OF	495.33750000	390451	0770850	101 MONROE ST
373	KXF424	MONTGOMERY, COUNTY OF	495.33750000	391712	0771222	RT 122 & 27
374	KXF424	MONTGOMERY, COUNTY OF	495.33750000	391712	0771222	RT 122 & 27
375	KXF425	MONTGOMERY, COUNTY OF	495.33750000	391158	0772054	1.1 MI W
376	KXF425	MONTGOMERY, COUNTY OF	495.33750000	391158	0772054	1.1 MI W
377	KXF426	MONTGOMERY, COUNTY OF	495.33750000	385848	0770651	RADNOR RD & BRITE
378	KXF426	MONTGOMERY, COUNTY OF	495.33750000	385848	0770651	RADNOR RD & BRITE
379	KXF427	MONTGOMERY, COUNTY OF	495.33750000	390716	0765920	MD RT 650 & 198
380	KXF427	MONTGOMERY, COUNTY OF	495.33750000	390716	0765920	MD RT 650 & 198
381	KYX556	MONTGOMERY, COUNTY OF	495.33750000	391245	0774419	RT 27 & BRINK RD
382	KYX556	MONTGOMERY, COUNTY OF	495.33750000	391245	0774419	RT 27 & BRINK RD
383	KCU652	MONTGOMERY, COUNTY OF	495.36250000	390711	0771047	SHADY GROVE RD & RT 355
384	KCU652	MONTGOMERY, COUNTY OF	495.36250000	390711	0771047	SHADY GROVE RD & RT 355
385	KXF424	MONTGOMERY, COUNTY OF	495.36250000	391712	0771222	RT 122 & 27
386	KXF424	MONTGOMERY, COUNTY OF	495.36250000	391712	0771222	RT 122 & 27
387	KXF425	MONTGOMERY, COUNTY OF	495.36250000	391158	0772054	1.1 MI W
388	KXF425	MONTGOMERY, COUNTY OF	495.36250000	391158	0772054	1.1 MI W
389	KXF426	MONTGOMERY, COUNTY OF	495.36250000	385848	0770651	RADNOR RD & BRITE

Line	City	County	State	FCC Class	NAAT	Erp	Radius
364	BETHESDA	MONTGOMERY	MD	PL	86	600	0
365	SPENCER	MONTGOMERY	MD	PL	78	600	0
366	SPENCER	MONTGOMERY	MD	PL	78	600	0
367	OLNEY	MONTGOMERY	MD	PL	85	600	0
368	OLNEY	MONTGOMERY	MD	PL	85	600	0
369	WHEATON	MONTGOMERY	MD	PL	95	600	0
370	WHEATON	MONTGOMERY	MD	PL	95	600	0
371	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
372	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
373	DAMACUS	MONTGOMERY	MD	PL	134	600	0
374	DAMACUS	MONTGOMERY	MD	PL	134	600	0
375	BARNESVILLE	MONTGOMERY	MD	PL	113	600	0
376	BARNESVILLE	MONTGOMERY	MD	PL	113	600	0
377	BETHESDA	MONTGOMERY	MD	PL	86	600	0
378	BETHESDA	MONTGOMERY	MD	PL	86	600	0
379	SPENCER	MONTGOMERY	MD	PL	78	600	0
380	SPENCER	MONTGOMERY	MD	PL	78	600	0
381	HENDERSON	MONTGOMERY	MD	PL	98	600	0
382	HENDERSON	MONTGOMERY	MD	PL	98	600	0
383	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
384	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
385	DAMACUS	MONTGOMERY	MD	PL	134	600	0
386	DAMACUS	MONTGOMERY	MD	PL	134	600	0
387	BARNESVILLE	MONTGOMERY	MD	PL	113	600	0
388	BARNESVILLE	MONTGOMERY	MD	PL	113	600	0
389	BETHESDA	MONTGOMERY	MD	PL	86	600	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
390	KXF426	MONTGOMERY, COUNTY OF	495.36250000	385848	0770651	RADNOR RD & BRITE
391	KXF427	MONTGOMERY, COUNTY OF	495.36250000	390716	0765920	MD RT 650 & 198
392	KXF427	MONTGOMERY, COUNTY OF	495.36250000	390716	0765920	MD RT 650 & 198
393	KYX555	MONTGOMERY, COUNTY OF	495.36250000	390852	0770355	RT 97 & 108
394	KYX555	MONTGOMERY, COUNTY OF	495.36250000	390852	0770355	RT 97 & 108
395	KYX555	MONTGOMERY, COUNTY OF	495.36250000	390852	0770355	RT 97 & 108
396	KYX556	MONTGOMERY, COUNTY OF	495.36250000	391245	0774419	RT 27 & BRINK RD
397	KYX556	MONTGOMERY, COUNTY OF	495.36250000	391245	0774419	RT 27 & BRINK RD
398	KYX558	MONTGOMERY, COUNTY OF	495.36250000	390341	0770307	RT 97 & LAYHILL
399	KYX558	MONTGOMERY, COUNTY OF	495.36250000	390341	0770307	RT 97 & LAYHILL
400	WII931	MONTGOMERY, COUNTY OF	495.36250000	390035	0770234	GEORGIA AVE & SEMINARY PL
401	WII931	MONTGOMERY, COUNTY OF	495.36250000	390035	0770234	GEORGIA AVE & SEMINARY PL
402	KCU652	MONTGOMERY, COUNTY OF	495.38750000	390711	0771047	SHADY GROVE RD & RT 355
403	KCU652	MONTGOMERY, COUNTY OF	495.38750000	390711	0771047	SHADY GROVE RD & RT 355
404	KSE564	MONTGOMERY, COUNTY OF	495.38750000	390451	0770850	101 MONROE ST
405	KSE564	MONTGOMERY, COUNTY OF	495.38750000	390451	0770850	101 MONROE ST
406	KXF424	MONTGOMERY, COUNTY OF	495.38750000	391712	0771222	RT 122 & 27
407	KXF424	MONTGOMERY, COUNTY OF	495.38750000	391712	0771222	RT 122 & 27
408	KXF425	MONTGOMERY, COUNTY OF	495.38750000	390946	0772403	JONESVILLE & JERUSALEM
409	KXF425	MONTGOMERY, COUNTY OF	495.38750000	390946	0772403	JONESVILLE & JERUSALEM
410	KXF426	MONTGOMERY, COUNTY OF	495.38750000	385848	0770651	RADNOR RD & BRITE
411	KXF426	MONTGOMERY, COUNTY OF	495.38750000	385848	0770651	RADNOR RD & BRITE
412	KXF427	MONTGOMERY, COUNTY OF	495.38750000	390716	0765920	MD RT 650 & 198
413	KXF427	MONTGOMERY, COUNTY OF	495.38750000	390716	0765920	MD RT 650 & 198
414	KYX555	MONTGOMERY, COUNTY OF	495.38750000	390852	0770355	RT 97 & 108
415	KYX555	MONTGOMERY, COUNTY OF	495.38750000	390852	0770355	RT 97 & 108

Line	City	County	State	FCC Class	MAAT	Erp	Radius
390	BETHESDA	MONTGOMERY	MD	PL	86	600	0
391	SPENCER	MONTGOMERY	MD	PL	78	600	0
392	SPENCER	MONTGOMERY	MD	PL	78	600	0
393	OLNEY	MONTGOMERY	MD	PL	85	600	0
394	OLNEY	MONTGOMERY	MD	PL	85	600	0
395	OLNEY	MONTGOMERY	MD	PL	85	600	0
396	HENDERSON	MONTGOMERY	MD	PL	98	600	0
397	HENDERSON	MONTGOMERY	MD	PL	98	600	0
398	WHEATON	MONTGOMERY	MD	PL	95	600	0
399	WHEATON	MONTGOMERY	MD	PL	95	600	0
400	SILVER SPRING	MONTGOMERY	MD	PP	37	800	0
401	SILVER SPRING	MONTGOMERY	MD	PP	37	800	0
402	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
403	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
404	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
405	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
406	DAMACUS	MONTGOMERY	MD	PL	134	600	0
407	DAMACUS	MONTGOMERY	MD	PL	134	600	0
408	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
409	POOLESVILLE	MONTGOMERY	MD	PL	105	600	0
410	BETHESDA	MONTGOMERY	MD	PL	86	600	0
411	BETHESDA	MONTGOMERY	MD	PL	86	600	0
412	SPENCER	MONTGOMERY	MD	PL	78	600	0
413	SPENCER	MONTGOMERY	MD	PL	78	600	0
414	OLNEY	MONTGOMERY	MD	PL	85	600	0
415	OLNEY	MONTGOMERY	MD	PL	85	600	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
416	KYX556	MONTGOMERY, COUNTY OF	495.38750000	391245	0774419	RT 27 & BRINK RD
417	KYX556	MONTGOMERY, COUNTY OF	495.38750000	391245	0774419	RT 27 & BRINK RD
418	KYX558	MONTGOMERY, COUNTY OF	495.38750000	390341	0770307	RT 97 & LAYHILL
419	KYX558	MONTGOMERY, COUNTY OF	495.38750000	390341	0770307	RT 97 & LAYHILL
420	KCU652	MONTGOMERY, COUNTY OF	495.41250000	390711	0771047	SHADY GROVE RD & RT 355
421	KCU652	MONTGOMERY, COUNTY OF	495.41250000	390711	0771047	SHADY GROVE RD & RT 355
422	KSE564	MONTGOMERY, COUNTY OF	495.41250000	390451	0770850	101 MONROE ST
423	KSE564	MONTGOMERY, COUNTY OF	495.41250000	390451	0770850	101 MONROE ST
424	KXF424	MONTGOMERY, COUNTY OF	495.41250000	391712	0771222	RT 122 & 27
425	KXF424	MONTGOMERY, COUNTY OF	495.41250000	391712	0771222	RT 122 & 27
426	KXF425	MONTGOMERY, COUNTY OF	495.41250000	391158	0772054	1.1 MI W
427	KXF425	MONTGOMERY, COUNTY OF	495.41250000	391158	0772054	1.1 MI W
428	KXF426	MONTGOMERY, COUNTY OF	495.41250000	385848	0770651	RADNOR RD & BRITE
429	KXF426	MONTGOMERY, COUNTY OF	495.41250000	385848	0770651	RADNOR RD & BRITE
430	KXF427	MONTGOMERY, COUNTY OF	495.41250000	390716	0765920	MD RT 650 & 198
431	KXF427	MONTGOMERY, COUNTY OF	495.41250000	390716	0765920	MD RT 650 & 198
432	KYX555	MONTGOMERY, COUNTY OF	495.41250000	390852	0770355	RT 97 & 108
433	KYX555	MONTGOMERY, COUNTY OF	495.41250000	390852	0770355	RT 97 & 108
434	KYX556	MONTGOMERY, COUNTY OF	495.41250000	391245	0774419	RT 27 & BRINK RD
435	KYX558	MONTGOMERY, COUNTY OF	495.41250000	390341	0770307	RT 97 & LAYHILL
436	KYX558	MONTGOMERY, COUNTY OF	495.41250000	390341	0770307	RT 97 & LAYHILL
437	WII931	MONTGOMERY, COUNTY OF	495.41250000	390035	0770234	GEORGIA AVE & SEMINARY PL
438	WII931	MONTGOMERY, COUNTY OF	495.41250000	390035	0770234	GEORGIA AVE & SEMINARY PL
439	WIL497	MONTGOMERY, COUNTY OF	495.41250000	390949	0772403	19200 JERUSALEM RD
440	WIL497	MONTGOMERY, COUNTY OF	495.41250000	390949	0772403	19200 JERUSALEM RD
441	WIF634	LONGMIRE, ALBERT	495.48750000	391953	0763928	2401 VIOLET AVE

Line	City	County	State	FCC Class	MAAT	Erp	Radius
416	HENDERSON	MONTGOMERY	MD	PL	98	600	0
417	HENDERSON	MONTGOMERY	MD	PL	98	600	0
418	WHEATON	MONTGOMERY	MD	PL	95	600	0
419	WHEATON	MONTGOMERY	MD	PL	95	600	0
420	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
421	GAITHERSBURG	MONTGOMERY	MD	PL	74	600	0
422	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
423	ROCKVILLE	MONTGOMERY	MD	PL	99	600	0
424	DAMACUS	MONTGOMERY	MD	PL	134	600	0
425	DAMACUS	MONTGOMERY	MD	PL	134	600	0
426	BARNESVILLE	MONTGOMERY	MD	PL	113	600	0
427	BARNESVILLE	MONTGOMERY	MD	PL	113	600	0
428	BETHESDA	MONTGOMERY	MD	PL	86	600	0
429	BETHESDA	MONTGOMERY	MD	PL	86	600	0
430	SPENCER	MONTGOMERY	MD	PL	78	600	0
431	SPENCER	MONTGOMERY	MD	PL	78	600	0
432	OLNEY	MONTGOMERY	MD	PL	85	600	0
433	OLNEY	MONTGOMERY	MD	PL	85	600	0
434	HENDERSON	MONTGOMERY	MD	PL	98	600	0
435	WHEATON	MONTGOMERY	MD	PL	95	600	0
436	WHEATON	MONTGOMERY	MD	PL	95	600	0
437	SILVER SPRING	MONTGOMERY	MD	PP	37	800	0
438	SILVER SPRING	MONTGOMERY	MD	PP	37	800	0
439	POOLESVILLE	MONTGOMERY	MD	PL	91	600	0
440	POOLESVILLE	MONTGOMERY	MD	PL	91	600	0
441	BALTIMORE		MD	IB	143	226	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
442	WIG373	RELIABLE TIRE SALES INC	495.48750000	391953	0763928	2401 VIOLET
443	WIF233	VITRO CORPORATION	495.51250000	390001	0770328	8800 BROOKVILLE
444	WIL788	MULTIVISION CABLE TV	495.58750000	385745	0765005	9609 ANNAPOLIS RD
445	WIL788	MULTIVISION CABLE TV	495.58750000	385745	0765005	9609 ANNAPOLIS RD
446	WIM455	NORTHROP GRUMMAN CORPORATION	495.61250000	391050	0764128	7323 AVIATION BLVD
447	KZM689	STEUART FUELS	495.63750000	385959	0770327	8800 BROOKVILLE RD
448	KZM689	STEUART FUELS	495.63750000	385959	0770327	8800 BROOKVILLE RD
449	WIL788	MULTIVISION CABLE TV	495.63750000	385745	0765005	9609 ANNAPOLIS RD
450	WIL788	MULTIVISION CABLE TV	495.63750000	385745	0765005	9609 ANNAPOLIS RD
451	WIH371	FAIRMOUNT MILL AND LUMBER INC	495.66250000	390917	0765158	10260 GORMAN RD
452	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	392010	0763859	3900 HOOPER AVE TELEVISION HILL
453	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	392010	0763859	3900 HOOPER AVE TELEVISION HILL
454	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	392010	0763859	3900 HOOPER AVE TELEVISION HILL
455	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	391109	0764110	7323 AVIATION BLVD
456	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	390022	0762428	895 OCEANIC DR
457	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	391222	0764110	1212 WINTESON R
458	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	392930	0763921	1111 SCHILLING RD
459	WIH535	NORTHROP GRUMMAN CORPORATION	495.66250000	391216	0764055	1580A W NURSERY RD
460	WIL774	NORTHROP GRUMMAN CORPORATION	495.66250000	392226	0765748	7301 SYKESVILLE RD
461	WIL774	NORTHROP GRUMMAN CORPORATION	495.66250000	392010	0763859	
462	WIG246	FRALL DEVELOPERS INC	495.68750000	392115	0771030	13501 PENN SHOP RD
463	WIG464	TIDEWATER EQUIPMENT CO INC	495.71250000	391715	0763656	1000 LIGHT ST
464	WIG668	BOND DISTRIBUTING COMPANY	495.71250000	391902	0763823	5602 BALTIMORE NATL BANK
465	WIH537	COLUMBIA UNION COLLEGE	495.73750000	385905	0765959	7600 FLOWER AVENUE
466	KB6236	WELLS, MARVIN	495.76250000			
467	KDB371	BONNETT, WILLIAM R	495.76250000	391715	0763656	1000 LIGHT

Line	City	County	State	FCC Class	HAAT	Erp	Radius
442	BALTIMORE		MD	IB	143	226	48
443	SILVER SPRINGS	MONTGOMERY	MD	IB	142	226	48
444	LANHAM	PRINCE GEORGES	MD	IS	51	262	40
445	LANHAM	PRINCE GEORGES	MD	IS	0	30	40
446	LINTHICUM	ANNE ARUNDEL	MD	IX	0	30	32
447	SILVER SPRING	MONTGOMERY	MD	IS	52	300	48
448	SILVER SPRING	MONTGOMERY	MD	IS	0	69	48
449	LANHAM	PRINCE GEORGES	MD	IS	51	262	40
450	LANHAM	PRINCE GEORGES	MD	IS	0	30	40
451	LAUREL	HOWARD	MD	IB	127	211	40
452	BALTIMORE		MD	IB	369	1000	48
453	BALTIMORE		MD	IB	0	150	48
454	BALTIMORE		MD	IB	0	5	48
455	LINTHICUM	ANNE ARUNDEL	MD	IB	2	30	0
456	ANNAPOLIS	ANNE ARUNDEL	MD	IB	13	30	0
457	LINTHICUM	ANNE ARUNDEL	MD	IB	17	30	0
458	HUNT VALLEY	BALTIMORE	MD	IB	0	30	0
459	LINTHICUM	ANNE ARUNDEL	MD	IB	28	30	0
460	SYKESVILLE	CARROLL	MD	IB	-2	30	0
461		CARROLL	MD	IB	0	5	48
462	MOUNT AIRY	FREDERICK	MD	IB	72	398	0
463	BALTIMORE		MD	IB	104	313	48
464	BALTIMORE		MD	IB	126	200	40
465	TAKOMA PARK	PRINCE GEORGES	MD	IB	23	95	8
466			MD	IB	0	62	0
467	BALTIMORE		MD	IB	103	312	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
468	KJV831	WELSH CONSTRUCTION REMODELING CO	495.76250000	391715	0763656	100 LIGHT ST
469	KNM403	WESTWAY AUTOMOTIVE	495.76250000	391715	0763656	100 LIGHT ST
470	KNS631	WELLS, MARVIN	495.76250000	392924	0772956	GAMBRILL ST & PK RD
471	WSW600	MILLAR ELEVATOR SERVICE CO	495.76250000	391715	0763656	100 LIGHT ST
472	WIK989	MANEKIN CORPORATION	495.78750000	393000	0772957	
473	WPJL759	WASHINGTON EXPRESS SERVICES	495.78750000	385959	0770327	8800 BROOKVILLE RD
474	WIE949	GLADHILL TRACTOR MART	495.81250000	393022	0772957	5 MI N OF US 40 ON GAMBRILL PARK
475	WIF650	TAYLOR RENTAL CENTER	495.81250000	393000	0772957	GAMBRILL PK
476	WIF745	FREDERICK I 70 TRUCK CITY	495.81250000	393000	0772957	GAMBRILL PARK
477	WPJT868	CHAMPION COMMUNICATION SERVICES INC	495.81250000	390654	0771159	9701 FIELDS RD
478	WPJT868	CHAMPION COMMUNICATION SERVICES INC	495.81250000	390654	0771159	9701 FIELDS RD
479	KXW323	INSTRUCOM INC	495.83750000	384619	0764806	8600 CRAIN HWY
480	KXW323	INSTRUCOM INC	495.83750000	390839	0765915	17335 DONORA RD
481	WPKJ942	CHAMPION COMMUNICATION SERVICES INC	495.83750000	392413	0772024	.5 MI W OF I70
482	WPKJ942	CHAMPION COMMUNICATION SERVICES INC	495.83750000	392413	0772024	.5 MI W OF I70
483	WIH652	JMB MANAGEMENT CORPORATION	495.86250000	391837	0764353	6901 SECURITY BLVD
484	WIJ478	AGGREGATE TRANSPORT CORP	495.86250000	391406	0770209	15165 TRIDELPHIA MILL RD
485	KXS850	BELTWY AUTO & PLATE GLASS COMPANY	495.88750000	390257	0765819	11700 OLD COLLEGE PARK
486	KYK925	ADRIAN L MERTON INC	495.88750000	385955	0770151	8757 GEORGIA AVE
487	WIG655	BALMAR PRINTING & GRAPHICS	495.88750000	390257	0765819	11700 OLD COLUMBIA
488	WIG655	BALMAR PRINTING & GRAPHICS	495.88750000	390257	0765819	11700 OLD COLUMBIA
489	WIG655	BALMAR PRINTING & GRAPHICS	495.88750000	390735	0771032	16780 OAKMONT
490	WIG655	BALMAR PRINTING & GRAPHICS	495.88750000	390735	0771032	16780 OAKMONT
491	WIG974	BERWYN FUEL INC	495.88750000	390101	0765825	MT PISGAH RD
492	WIG245	MANEKIN CORPORATION	495.91250000	391715	0763656	1000 LIGHT ST
493	WIG245	MANEKIN CORPORATION	495.91250000	391715	0763656	1000 LIGHT ST

Line	City	County	State	FCC Class	MAAT	Erp	Radius
468	BALTIMORE		MD	IB	103	313	0
469	BALTIMORE		MD	IB	104	313	48
470	FREDERICK	FREDERICK	MD	IB	363	350	0
471	BALTIMORE		MD	IB	104	312	0
472		FREDERICK	MD	IB	0	10	48
473	SILVER SPRING	MONTGOMERY	MD	IB	165	300	48
474	FREDERICK	FREDERICK	MD	IB	330	441	0
475	FREDERICK	FREDERICK	MD	IB	336	300	48
476	FREDERICK	FREDERICK	MD	IB	336	298	48
477	GAITHERSBURG	MONTGOMERY	MD	IB	120	60	48
478	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
479	UPPER MARLBORO	PRINCE GEORGES	MD	IB	57	495	48
480	SILVER SPRING	MONTGOMERY	MD	IB	96	200	48
481	FREDERICK	FREDERICK	MD	IB	53	350	48
482	FREDERICK	FREDERICK	MD	IB	0	50	48
483	BALTIMORE		MD	IB	37	20	8
484	GLENLEG	HOWARD	MD	IB	86	180	32
485	SILVER SPRING	MONTGOMERY	MD	IB	82	298	48
486	SILVER SPRINGS	MONTGOMERY	MD	IB	89	472	48
487	SILVER SPRING	MONTGOMERY	MD	IB	0	63	32
488	SILVER SPRING	MONTGOMERY	MD	IB	82	358	32
489	GAITHERSBURG	MONTGOMERY	MD	IB	0	63	32
490	GAITHERSBURG	MONTGOMERY	MD	IB	22	158	32
491	SILVER SPRING	MONTGOMERY	MD	IB	70	394	48
492	BALTIMORE		MD	IB	0	60	48
493	BALTIMORE		MD	IB	103	312	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
494	WIL335	TOTAL HEALTH CARE	495.91250000	392800	0763900	
495	KNA585	SMITH REFRIGERATION INC	495.93750000	391713	0764516	RT 40 & ROLLING
496	KNM315	HARRISON WOOD FLOORS INC	495.93750000	391713	0764516	POWERS LN & ROLLING RD
497	KNM402	WALLACE ROOFING CO INC	495.93750000	391713	0764516	ROLLING RD CATONSVILLE
498	KNM741	ALLIED SIGNAL TECHNICAL SVCS CORP	495.93750000	391713	0764516	ROLLING RD
499	KZU643	NORTHROP GRUMMAN CORPORATION	495.93750000	391109	0764110	7323 AVIATION BLVD
500	KZU643	NORTHROP GRUMMAN CORPORATION	495.93750000	391216	0764055	1580A W NURSERY RD
501	KZU643	NORTHROP GRUMMAN CORPORATION	495.93750000	391130	0764058	1745 W NURSERY RD
502	KZU643	NORTHROP GRUMMAN CORPORATION	495.93750000	391222	0764110	1212 WINTERSON RD
503	KZU643	NORTHROP GRUMMAN CORPORATION	495.93750000	390022	0762428	895 OCEANIC DR
504	KZU643	NORTHROP GRUMMAN CORPORATION	495.93750000	392930	0763921	1111 SCHILLING RD
505	WIL787	DAVIS, JAMES	495.93750000	391713	0764516	RT 40 & ROLLING RD
506	WIL787	DAVIS, JAMES	495.93750000	391713	0764516	RT 40 & ROLLING RD
507	KNR284	STAMBAUGHS INC	495.96250000	393244	0765933	GLEN HILL CT
508	WIJ667	GLENN CORBIN JR CO INC	495.96250000	385430	0763426	S RIVER CLUBHOUSE RD 1 1/2 MI S
509	WIK696	S L BARE INC	495.96250000	393244	0765933	HOOK RD & RT 97
510	WIK696	S L BARE INC	495.96250000			
511	WEB456	TEVIS OIL INC	496.01250000	393415	0765846	552 OLD GORSUCH RD
512	WEB456	TEVIS OIL INC	496.01250000	393415	0765846	552 OLD GORSUCH RD
513	KNM794	PRINCE GEORGES COMMUNITY COLLEGE	496.03750000	385307	0764934	301 LARGO RD MARLBORO HALL
514	KNM794	PRINCE GEORGES COMMUNITY COLLEGE	496.03750000	385307	0764934	301 LARGO RD MARLBORO HALL
515	KNR804	LEISURE WORLD OF MARYLAND CORP	496.03750000	390617	0770416	3330 LEISURE WORLD BLVD
516	KNT399	NORTHROP GRUMMAN CORPORATION	496.03750000	391108	0764111	7323 AVIATION BLVD
517	KNT399	NORTHROP GRUMMAN CORPORATION	496.03750000	391108	0764111	7323 AVIATION BLVD
518	KNT399	NORTHROP GRUMMAN CORPORATION	496.03750000	391108	0764111	7323 AVIATION BLVD
519	KNT399	NORTHROP GRUMMAN CORPORATION	496.03750000	391216	0764055	1580A W NURSERY RD

Line	City	County	State	FCC Class	HAAT	Erp	Radius
494		BALTIMORE	MD	IB	0	25	2
495	CATONSVILLE	BALTIMORE	MD	IB	235	375	0
496	CATONSVILLE	BALTIMORE	MD	IB	187	95	48
497	BALTIMORE		MD	IB	187	190	0
498	CATONSVILLE	BALTIMORE	MD	IB	187	390	48
499	LINTHICUM HEIGHTS	ANNE ARUNDEL	MD	IB	2	30	0
500	LINTHICUM HEIGHTS	ANNE ARUNDEL	MD	IB	28	30	0
501	LINTHICUM HEIGHTS	ANNE ARUNDEL	MD	IB	14	30	0
502	LINTHICUM HEIGHTS	ANNE ARUNDEL	MD	IB	10	30	0
503	ANNAPOLIS	ANNE ARUNDEL	MD	IB	13	30	0
504	HUNT VALLEY	BALTIMORE	MD	IB	0	30	0
505	CATONSVILLE	BALTIMORE	MD	IB	236	375	48
506	CATONSVILLE	BALTIMORE	MD	IB	0	50	48
507	UNION BRIDGE	CARROLL	MD	IB	136	305	48
508	HARWOOD	ANNE ARUNDEL	MD	IB	166	1000	48
509	WESTMINSTER	CARROLL	MD	IB	136	236	0
510			MD	IB	0	66	0
511	WESTMINSTER	CARROLL	MD	IB	0	30	48
512	WESTMINSTER	CARROLL	MD	IB	102	270	48
513	LARGO	PRINCE GEORGES	MD	IB	26	220	24
514	LARGO	PRINCE GEORGES	MD	IB	0	35	24
515	SILVER SPRING	MONTGOMERY	MD	IB	38	158	48
516	LINTHICUM	ANNE ARUNDEL	MD	IB	2	180	48
517	LINTHICUM	ANNE ARUNDEL	MD	IB	0	5	48
518	LINTHICUM	ANNE ARUNDEL	MD	IB	0	150	48
519	LINTHICUM	ANNE ARUNDEL	MD	IB	29	30	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
520	KAX935	NORTHROP GRUMMAN CORPORATION	496.06250000	391108	0764111	7323 AVIATION BLVD
521	KAX935	NORTHROP GRUMMAN CORPORATION	496.06250000	391108	0764111	7323 AVIATION BLVD
522	WIL582	WILMERS COMMUNICATIONS INC	496.06250000	385430	0763426	S RIVER POLINGHOUSE RD
523	WIL582	WILMERS COMMUNICATIONS INC	496.06250000	385430	0763426	S RIVER POLINGHOUSE RD
524	KNO237	CHARLES COUNTY COMMUNITY COLLEGE	496.08750000	383323	0770027	WATER TANK NEAR MITCHELL ROA
525	KNQ229	DENEAU CONSTRUCTION INC	496.08750000	385835	0770653	5601 RIVER RD
526	WIE933	WILMERS COMMUNICATIONS INC	496.08750000	382925	0764518	GOLDENBEACH RD
527	WIE933	WILMERS COMMUNICATIONS INC	496.08750000	382925	0764518	GOLDENBEACH RD
528	WPJT857	CHAMPION COMMUNICATION SERVICES INC	496.08750000	390654	0771159	9701 FIELDS RD
529	WPJT857	CHAMPION COMMUNICATION SERVICES INC	496.08750000	390654	0771159	9701 FIELDS RD
530	KNA437	ROBINSONS AIR CONDITIONING & HEATING COINC	496.13750000	390001	0770320	8800 BROOKVILLE RD
531	KNR345	UNIVERSAL CONTRACTORS INC	496.16250000	391713	0764516	WFMM TOWER E OF US 40 & ROLLIN
532	KNA541	WINPIGLER ROOFING INC	496.18750000	392959	0772953	CATOCTIN MOUNTAIN
533	KVY259	GEORGIA PACIFIC CORPORATION	496.18750000	391713	0764516	RT 40 ROLLING RD
534	KXF418	MILTON JAMES COMPANY INC	496.18750000	391713	0764516	US RT 40 ON ROLLING RD
535	WCC713	WALTER W KING PLUMBING & HEATING	496.18750000	392959	0772953	CATOCTIN MOUNTAIN
536	KNO924	MC DONOGH SCHOOL INC	496.21250000	392345	0764644	TRANSPORTATION BLVD
537	KNO924	MC DONOGH SCHOOL INC	496.21250000	392345	0764644	TRANSPORTATION BLVD
538	WIL345	CARR REAL ESTATE SERVICES INC	496.23750000	385908	0770518	7500 OLD GEORGETOWN RD
539	WPKL460	TEVIS OIL INC	496.23750000	391721	0764343	5602 BALTIMORE NATIONAL PIKE
540	WPKL460	TEVIS OIL INC	496.23750000			
541	WIE882	R MICHAEL TABOR INC	496.26250000	392957	0772953	GAMBRILL PARK RD
542	WIH532	ASSOCIATED CATHOLIC CHARITIES INC	496.26250000	391731	0763700	15 CHARLES PLAZA
543	WIH532	ASSOCIATED CATHOLIC CHARITIES INC	496.26250000	391731	0763700	15 CHARLES PLAZA
544	WIJ749	POOLE SR, HARRY A	496.26250000	392957	0772953	GAMBRILL PARK RD 7 1/2 MI W
545	WIL247	SCHINDLER CORPORATION	496.26250000	385749	0770147	1110 FIDLER LN

Line	City	County	State	FCC Class	MAAT	Erp	Radius
520	LINTHICUM	ANNE ARUNDEL	MD	IB	2	90	16
521	LINTHICUM	ANNE ARUNDEL	MD	IB	0	5	16
522	HARWOOD	ANNE ARUNDEL	MD	IB	166	85	48
523	HARWOOD	ANNE ARUNDEL	MD	IB	0	196	48
524	LA PLATA	CHARLES	MD	IB	48	250	48
525	BETHESDA	MONTGOMERY	MD	IB	105	188	48
526	CHARLOTTE HALL	CHARLES	MD	IB	139	85	48
527	CHARLOTTE HALL	CHARLES	MD	IB	0	196	48
528	GAITHERSBURG	MONTGOMERY	MD	IB	120	60	48
529	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
530	SILVER SPRING	MONTGOMERY	MD	IB	142	226	48
531	CATONSVILLE		MD	IB	187	90	48
532	FREDERICK	FREDERICK	MD	IB	371	200	0
533	BALTIMORE		MD	IB	226	76	0
534	CATONSVILLE	BALTIMORE	MD	IB	226	106	48
535	FREDERICK	FREDERICK	MD	IB	363	199	48
536	MC DONOGH	BALTIMORE	MD	IB	51	300	48
537	MC DONOGH	BALTIMORE	MD	IB	0	90	48
538	BETHESDA	MONTGOMERY	MD	IB	40	20	5
539	BALTIMORE		MD	IB	105	200	0
540			MD	IB	0	70	0
541	FREDERICK	FREDERICK	MD	IB	317	376	48
542	BALTIMORE		MD	IB	40	400	24
543	BALTIMORE		MD	IB	0	4	24
544	FREDERICK	FREDERICK	MD	IB	318	376	40
545	SILVER SPRING	MONTGOMERY	MD	IB	105	291	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
546	WIL247	SCHINDLER CORPORATION	496.26250000	385956	0770156	8715 1ST ST
547	WPJT851	CHAMPION COMMUNICATION SERVICES INC	496.28750000	390654	0771159	9701 FIELDS RD
548	WPJT851	CHAMPION COMMUNICATION SERVICES INC	496.28750000	390654	0771159	9701 FIELDS RD
549	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.33750000	384508	0765130	US NAVY RADIO STA
550	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.33750000	390055	0764844	WSSC WATER TANK
551	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.33750000	390222	0770320	WHEATON PLAZA N
552	WII286	GENERAL CONFERENCE OF SEVENTH DAY ADVENTISTS	496.41250000	390347	0765802	12501 OLD COLUMBIA PIKE
553	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.43750000	384508	0765130	US NAVY RADIO STA
554	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.43750000	390055	0764844	WSSC WATER TANK
555	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.43750000	390222	0770320	WHEATON PLAZA N
556	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.46250000	384508	0765130	US NAVY RADIO STA
557	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.46250000	390055	0764844	WSSC WATER TANK
558	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.46250000	390222	0770320	WHEATON PLAZA N
559	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.48750000	384508	0765130	US NAVY RADIO STA
560	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.48750000	390055	0764844	WSSC WATER TANK
561	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.48750000	390222	0770320	WHEATON PLAZA N
562	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.51250000	384508	0765130	US NAVY RADIO STA
563	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.51250000	390055	0764844	WSSC WATER TANK
564	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.51250000	390222	0770320	WHEATON PLAZA N
565	KVS559	HOWARD COMMUNITY COLLEGE	496.51250000	391306	0765143	LITTLE PATUXENT PKY
566	KVS559	HOWARD COMMUNITY COLLEGE	496.51250000	391306	0765143	LITTLE PATUXENT PKY
567	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.53750000	384508	0765130	US NAVY RADIO STA
568	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.53750000	390055	0764844	WSSC WATER TANK
569	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.53750000	390222	0770320	WHEATON PLAZA N
570	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.56250000	384508	0765130	US NAVY RADIO STA
571	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.56250000	390055	0764844	WSSC WATER TANK

Line	City	County	State	FCC Class	MAAT	Erp	Radius
546	SILVER SPRING	MONTGOMERY	MD	IB	95	291	0
547	GAITHERSBURG	MONTGOMERY	MD	IB	120	60	48
548	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
549	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
550	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
551	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
552	SILVER SPRING	MONTGOMERY	MD	IB	99	79	8
553	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
554	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
555	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
556	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
557	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
558	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
559	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
560	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
561	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
562	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
563	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
564	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
565	COLUMBIA	HOWARD	MD	IB	16	50	16
566	COLUMBIA	HOWARD	MD	IB	0	11	16
567	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
568	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
569	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
570	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
571	BOWIE	PRINCE GEORGES	MD	LU	121	500	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
572	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.56250000	390222	0770320	WHEATON PLAZA N
573	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.58750000	384508	0765130	US NAVY RADIO STA
574	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.58750000	390055	0764844	WSSC WATER TANK
575	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.58750000	390222	0770320	WHEATON PLAZA N
576	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.61250000	384508	0765130	US NAVY RADIO STA
577	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.61250000	390055	0764844	WSSC WATER TANK
578	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.61250000	390222	0770320	WHEATON PLAZA N
579	WIE677	UNITED PROPANE INC	496.63750000	385430	0763426	RIVER CLUB HIGH SCHOOL
580	WIJ216	WILES CONSTRUCTION INC	496.63750000	385430	0763426	1/4 MI S OF RIVER CLUB RD
581	WIL539	R E I R INC	496.63750000	385430	0763426	S RIVER CLUBHOUSE RD
582	WIL579	POOLE, MICHAEL	496.63750000	392959	0772953	GAMBRILL PARK RD 7 1/2 MI W
583	WIL579	POOLE, MICHAEL	496.63750000	392959	0772953	GAMBRILL PARK RD 7 1/2 MI W
584	WIL579	POOLE, MICHAEL	496.63750000	392959	0772953	GAMBRILL PARK RD 7 1/2 MI W
585	WIL917	WILMERS COMMUNICATIONS INC	496.63750000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
586	KNQ287	POLAR AIR CONDITIONING CO INC	496.66250000	390001	0770328	8800 BROOKVILLE RD
587	WIH998	R L THOMPSON INC	496.66250000	390001	0770328	8800 BROOKVILLE RD
588	WIH951	ALLEN N WALPERT & SON INC	496.68750000	392019	0764001	4338 PARK HEIGHTS AVE
589	WPJT850	CHAMPION COMMUNICATION SERVICES INC	496.68750000	390654	0771159	9701 FIELDS RD
590	WPJT850	CHAMPION COMMUNICATION SERVICES INC	496.68750000	390654	0771159	9701 FIELDS RD
591	WIE979	CHILDS LANDSCAPING INC	496.71250000	385430	0763426	S RIVER CLUBHOUSE DR 1 1/2 MI S
592	WIH293	ANDERSON MARINE CONSTRUCTION INC	496.71250000	385430	0763426	10 S RIVER CLUBHOUSE DR
593	WIJ284	LON DONNER ELECTRICAL CONTRACTOR INC	496.71250000	385430	0763426	S RIVER CLUBHOUSE RD
594	WIL921	WILMERS COMMUNICATIONS INC	496.71250000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
595	KB3944	DONALDSON HEATING & COOLING INC	496.76250000			
596	KNP431	DONALDSON HEATING & COOLING INC	496.76250000	391953	0763928	2401 VIOLET AVE
597	KNQ997	COWMAN JR, GEORGE G	496.76250000	391953	0763928	2401 VIOLET AVE

Line	City	County	State	FCC Class	HAAT	Erp	Radius
572	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
573	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
574	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
575	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
576	CHELTENHAM	PRINCE GEORGES	MD	LU	66	500	0
577	BOWIE	PRINCE GEORGES	MD	LU	121	500	0
578	WHEATON	PRINCE GEORGES	MD	LU	74	500	0
579	BIRDSVILLE	ANNE ARUNDEL	MD	IB	164	80	48
580	BIRDEVILLE	ANNE ARUNDEL	MD	IB	167	160	48
581	HARWOOD	ANNE ARUNDEL	MD	IB	164	57	48
582	FREDERICK	FREDERICK	MD	IB	317	376	48
583	FREDERICK	FREDERICK	MD	IB	0	40	48
584	FREDERICK	FREDERICK	MD	IB	0	5	48
585	HARWOOD	ANNE ARUNDEL	MD	IB	164	85	48
586	SILVER SPRING	MONTGOMERY	MD	IB	142	226	48
587	SILVER SPRING	MONTGOMERY	MD	IB	142	358	48
588	BALTIMORE		MD	IB	149	190	48
589	GAITHERSBURG	MONTGOMERY	MD	IB	120	60	48
590	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
591	HARWOOD	ANNE ARUNDEL	MD	IB	164	499	0
592	HARWOOD	ANNE ARUNDEL	MD	IB	164	567	48
593	HARWOOD	ANNE ARUNDEL	MD	IB	164	250	48
594	HARWOOD	ANNE ARUNDEL	MD	IB	164	250	48
595			MD	IB	0	42	0
596	BALTIMORE		MD	IB	69	226	0
597	BALTIMORE		MD	IB	143	179	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
598	WIG860	WM T FOWLER CO INC	496.76250000	391953	0763928	2401 VIOLET AVE
599	WIK686	SOUTHERN MARYLAND COMMUNICATIONS INC	496.76250000	383748	0765406	.5 MI N OF RT 5 & OLD WASHINGTON
600	WIK686	SOUTHERN MARYLAND COMMUNICATIONS INC	496.76250000	383748	0765406	.5 MI N OF RT 5 & OLD WASHINGTON
601	WIG352	TUCK, LARRY	496.78750000	390155	0764411	850 SE CNWY & PAXT
602	WII913	RUSSELL R DWYER INC	496.78750000	390155	0764411	CONWAY & PATUXENT RD
603	WIJ586	EARL W BOHLMAN & SONS INC	496.78750000	390155	0764411	CONAWAY AND PATUXENT RDS
604	WIL493	MORRIS GINSBEAR AND SON INC	496.78750000	392800	0763900	
605	WIM609	BUSER III, HENRY R	496.78750000	390155	0764411	CONWAY AND PUTUXENT RDS
606	WIM609	BUSER III, HENRY R	496.78750000	390155	0764411	CONWAY AND PUTUXENT RDS
607	WII562	EASTERN WASTE IND	496.81250000	390155	0764411	CONWAY & PATUXENT RDS
608	WIL343	BECK, RAYBURN L	496.83750000	390301	0770709	12000 OLD GEORGETOWN RD
609	WIL736	BELTWAY EXPRESS COMMUNICATIONS	496.83750000	392020	0764002	4338 PARK HEIGHTS AVE
610	KNP215	HARLAND J SHOEMAKER & SON INC	496.86250000	391945	0771123	EASTERDAY TWR
611	KNP215	HARLAND J SHOEMAKER & SON INC	496.86250000	391312	0772529	22210 DICKERSON RD
612	KNP215	HARLAND J SHOEMAKER & SON INC	496.86250000			
613	KNP828	BURNS ALUMINUM	496.86250000	391945	0771123	EASTERDAY TOWER
614	WIH366	J MAURICE CARLISLE INC	496.86250000	391945	0771123	EASTERDAY TOWER RT 27 2 MI N O
615	WIL568	WILMERS COMMUNICATIONS INC	496.86250000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
616	WIL568	WILMERS COMMUNICATIONS INC	496.86250000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
617	WIE959	ECONOMIC ROOFING CO	496.88750000	390001	0770328	8800 BROOKVILLE
618	WIJ414	RUPPERT BROS CONSTRUCTION CO INC	496.88750000	390001	0770328	8800 BROOKVILLE RD
619	WPJL759	WASHINGTON EXPRESS SERVICES	496.91250000	385959	0770327	8800 BROOKVILLE RD
620	KNO436	A & J ELECTRIC CO INC	496.93750000	391715	0763656	100 LIGHT ST
621	WIE934	MUSE, MARIO F	496.93750000	391715	0763656	100 LIGHT ST
622	WIL586	CLEAN AIR HEATING & AIR CONDITIONING COMPANY INC	496.93750000	391715	0763656	100 LIGHT ST USFG BLDG
623	WIL586	CLEAN AIR HEATING & AIR CONDITIONING COMPANY INC	496.93750000	391715	0763656	100 LIGHT ST USFG BLDG

Line	City	County	State	FCC Class	NAAT	Erp	Radius
598	BALTIMORE		MD	IB	143	276	48
599	WALDORF	CHARLES	MD	IB	110	551	48
600	WALDORF	CHARLES	MD	IB	0	196	48
601	CROFTEN	ANNE ARUNDEL	MD	IB	134	118	48
602	PATUXENT	ANNE ARUNDEL	MD	IB	134	158	48
603	CROFTON	ANNE ARUNDEL	MD	IB	135	101	0
604		BALTIMORE	MD	IB	0	5	48
605	CROFTON	ANNE ARUNDEL	MD	IB	49	150	48
606	CROFTON	ANNE ARUNDEL	MD	IB	0	75	48
607	PATUXENT	ANNE ARUNDEL	MD	IB	141	158	48
608	ROCKVILLE	MONTGOMERY	MD	IB	90	236	24
609	BALTIMORE		MD	IB	157	350	48
610	DAMASCUS	MONTGOMERY	MD	IB	107	281	0
611	DICKERSON	MONTGOMERY	MD	IB	30	119	0
612			MD	IB	0	59	0
613	MOUNT AIRY	MONTGOMERY	MD	IB	107	30	0
614	DAMASCUS	MONTGOMERY	MD	IB	109	189	48
615	HARWOOD	ANNE ARUNDEL	MD	IB	166	85	48
616	HARWOOD	ANNE ARUNDEL	MD	IB	0	196	48
617	SILVER SPRING	MONTGOMERY	MD	IB	142	276	0
618	SILVER SPRING	MONTGOMERY	MD	IB	142	226	0
619	SILVER SPRING	MONTGOMERY	MD	IB	165	300	48
620	BALTIMORE		MD	IB	104	106	0
621	BALTIMORE		MD	IB	103	312	48
622	BALTIMORE		MD	IB	117	105	48
623	BALTIMORE		MD	IB	0	50	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
624	WPJN741	PIMLICO KEY SERVICE	496.93750000	391715	0763656	100 LIGHT ST
625	WPJN741	PIMLICO KEY SERVICE	496.93750000	391715	0763656	100 LIGHT ST
626	KNO547	WOODROW BOYD & SONS	496.96250000	391715	0763656	1000 LIGHT
627	KNO547	WOODROW BOYD & SONS	496.96250000	391715	0763656	1000 LIGHT
628	KZU641	RICHARD B RUDY INC	496.96250000	392924	0772956	GAMBRILL MOUNTAIN
629	WIK767	GRIMES TOWING SERVICE INC	496.96250000	392924	0772956	2 MI E ON RT 40 GAMBRILL ST PK
630	WIL785	BELTWAY EXPRESS COMMUNICATIONS	496.96250000	390101	0765829	9727 MOUNT PISGAH RD
631	WIJ725	HUNGERFORD, REMUS:HUNGERFORD, MARK:HUNGERFORD,	496.98750000	391945	0771123	RT 27 AND BRANCH RD
632	WIL629	WILMERS COMMUNICATIONS INC	496.98750000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
633	WIL629	WILMERS COMMUNICATIONS INC	496.98750000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
634	KGA247	FREDERICK, CITY OF	497.31250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
635	WIK371	PRINCE GEORGES, COUNTY OF	497.31250000	385329	0765210	7911 ANCHOR ST
636	WIK371	PRINCE GEORGES, COUNTY OF	497.31250000			
637	KTL460	MARYLAND, STATE OF	497.33750000	391705	0764420	5901 BALTIMORE NATL PIKE
638	KGA247	FREDERICK, CITY OF	497.36250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
639	KV8752	BALTIMORE, CITY OF	497.38750000			
640	WII964	BALTIMORE, CITY OF	497.38750000	391739	0763646	414 N CALVERT ST
641	KGA247	FREDERICK, CITY OF	497.41250000	392940	0772955	3 MI N OF RT 40 ON GAMBRILL PARK
642	KTL460	MARYLAND, STATE OF	497.43750000	391705	0764420	5901 BALTIMORE NATL PIKE
643	WIK391	MONTGOMERY, COUNTY OF	497.46250000			
644	KV8752	BALTIMORE, CITY OF	497.48750000			
645	WII964	BALTIMORE, CITY OF	497.48750000	391739	0763646	414 N CALVERT ST
646	KTL670	ANNE ARUNDEL, COUNTY OF	497.51250000	390558	0763722	8495 VETERANS HWY
647	KUX236	PRINCE GEORGES, COUNTY OF	497.53750000	385329	0765210	7911 ANCHOR ST
648	WIJ471	PRINCE GEORGES, COUNTY OF	497.53750000			
649	KUX236	PRINCE GEORGES, COUNTY OF	497.56250000	385329	0765210	7911 ANCHOR ST

Line	City	County	State	FCC Class	HAAT	Erp	Radius
624	BALTIMORE		MD	IB	113	105	48
625	BALTIMORE		MD	IB	0	78	48
626	BALTIMORE		MD	IB	112	180	48
627	BALTIMORE		MD	IB	0	15	48
628	FREDERICK	FREDERICK	MD	IB	390	358	48
629	FREDERICK	FREDERICK	MD	IB	390	358	48
630	SILVER SPRING	MONTGOMERY	MD	IB	66	250	40
631	DAMASCUS	MONTGOMERY	MD	IB	107	312	48
632	HARWOOD	ANNE ARUNDEL	MD	IB	166	85	48
633	HARWOOD	ANNE ARUNDEL	MD	IB	0	196	48
634	FREDERICK	FREDERICK	MD	PP	0	75	48
635	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
636		PRINCE GEORGES	MD	PL	0	108	0
637	BALTIMORE		MD	PL	0	124	48
638	FREDERICK	FREDERICK	MD	PP	0	75	48
639			MD	PL	0	40	0
640	BALTIMORE		MD	PL	-48	17.9	0
641	FREDERICK	FREDERICK	MD	PP	0	75	48
642	BALTIMORE		MD	PL	0	124	48
643		MONTGOMERY	MD	PL	0	0	0
644			MD	PL	0	40	0
645	BALTIMORE		MD	PL	-48	17.9	0
646	MILLERSVILLE	ANNE ARUNDEL	MD	PP	0	5	48
647	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
648		PRINCE GEORGES	MD	PL	0	19	0
649	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
650	WIJ471	PRINCE GEORGES, COUNTY OF	497.56250000			
651	KV8752	BALTIMORE, CITY OF	497.58750000			
652	WII964	BALTIMORE, CITY OF	497.58750000	391739	0763646	414 N CALVERT ST
653	KTL460	MARYLAND, STATE OF	497.61250000	391705	0764420	5901 BALTIMORE NATL PIKE
654	KTL460	MARYLAND, STATE OF	497.63750000	391705	0764420	5901 BALTIMORE NATL PIKE
655	KUX236	PRINCE GEORGES, COUNTY OF	497.66250000	385329	0765210	7911 ANCHOR ST
656	KUX236	PRINCE GEORGES, COUNTY OF	497.66250000			
657	KUX236	PRINCE GEORGES, COUNTY OF	497.68750000	385329	0765210	7911 ANCHOR ST
658	WIJ471	PRINCE GEORGES, COUNTY OF	497.68750000			
659	KT8257	MONTGOMERY, COUNTY OF	497.71250000	390716	0765920	
660	KUX236	PRINCE GEORGES, COUNTY OF	497.73750000			
661	KUX236	PRINCE GEORGES, COUNTY OF	497.73750000	385329	0765210	7911 ANCHOR ST
662	KTL460	MARYLAND, STATE OF	497.76250000	391705	0764420	5901 BALTIMORE NATL PIKE
663	KUX236	PRINCE GEORGES, COUNTY OF	497.78750000	385329	0765210	7911 ANCHOR ST
664	KUX236	PRINCE GEORGES, COUNTY OF	497.78750000			
665	KSE564	MONTGOMERY, COUNTY OF	497.81250000	390409	0770943	1307 SEVEN LOCKS
666	KTL460	MARYLAND, STATE OF	497.81250000	391705	0764420	5901 BALTIMORE NATL PIKE
667	KUX236	PRINCE GEORGES, COUNTY OF	497.83750000	385329	0765210	7911 ANCHOR ST
668	KUX236	PRINCE GEORGES, COUNTY OF	497.83750000			
669	KT8257	MONTGOMERY, COUNTY OF	497.86250000	390451	0770850	
670	KT8257	MONTGOMERY, COUNTY OF	497.86250000	390946	0772403	
671	KUX236	PRINCE GEORGES, COUNTY OF	497.88750000	385329	0765210	7911 ANCHOR ST
672	WIJ471	PRINCE GEORGES, COUNTY OF	497.88750000			
673	KB5875	UNIVERSITY OF MARYLAND AT BALTIMORE	497.91250000	391717	0763727	
674	KT8257	MONTGOMERY, COUNTY OF	497.91250000	390716	0765920	
675	KT8257	MONTGOMERY, COUNTY OF	497.91250000	390451	0770850	

Line	City	County	State	FCC Class	HAAT	Erp	Radius
650		PRINCE GEORGES	MD	PL	0	19	0
651			MD	PL	0	10	0
652	BALTIMORE		MD	PL	-48	17.9	0
653	BALTIMORE		MD	PL	0	124	48
654	BALTIMORE		MD	PL	0	124	48
655	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
656		PRINCE GEORGES	MD	PL	0	158	0
657	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
658		PRINCE GEORGES	MD	PL	0	19	0
659		MONTGOMERY	MD	PL	0	198	48
660		PRINCE GEORGES	MD	PL	0	19	0
661	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
662	BALTIMORE		MD	PL	0	124	48
663	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
664		PRINCE GEORGES	MD	PL	0	158	0
665	ROCKVILLE	MONTGOMERY	MD	PL	0	5	8
666	BALTIMORE		MD	PL	0	124	48
667	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
668		PRINCE GEORGES	MD	PL	0	158	0
669		MONTGOMERY	MD	PL	0	198	48
670		MONTGOMERY	MD	PL	0	198	48
671	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
672		PRINCE GEORGES	MD	PL	0	19	0
673			MD	PL	0	4	24
674		MONTGOMERY	MD	PL	0	198	48
675		MONTGOMERY	MD	PL	0	198	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
676	KT8257	MONTGOMERY, COUNTY OF	497.91250000	390946	0772403	
677	KUX236	PRINCE GEORGES, COUNTY OF	497.93750000			
678	KUX236	PRINCE GEORGES, COUNTY OF	497.93750000	385329	0765210	7911 ANCHOR ST
679	KTL460	MARYLAND, STATE OF	497.96250000	391705	0764420	5901 BALTIMORE NATL PIKE
680	KV8752	BALTIMORE, CITY OF	497.98750000			
681	WIE797	BALTIMORE, CITY OF	497.98750000	391723	0763612	110 S EXETER ST
682	WIH964	BALTIMORE, CITY OF	497.98750000	391931	0763838	BALTIMORE ZOO MANSION HOUSE
683	WII964	BALTIMORE, CITY OF	497.98750000	391739	0763646	414 N CALVERT ST
684	WIJ233	BALTIMORE, CITY OF	497.98750000	392041	0763553	1201 E COLD SPRING LN
685	KUX236	PRINCE GEORGES, COUNTY OF	498.01250000	385329	0765210	7911 ANCHOR ST
686	KUX236	PRINCE GEORGES, COUNTY OF	498.01250000			
687	KTL460	MARYLAND, STATE OF	498.03750000	391705	0764420	5901 BALTIMORE NATL PIKE
688	KUX236	PRINCE GEORGES, COUNTY OF	498.06250000	385329	0765210	7911 ANCHOR ST
689	KUX236	PRINCE GEORGES, COUNTY OF	498.06250000			
690	KUX236	PRINCE GEORGES, COUNTY OF	498.08750000	385329	0765210	7911 ANCHOR ST
691	WIJ471	PRINCE GEORGES, COUNTY OF	498.08750000			
692	WBF762	BALTIMORE, CITY OF	498.11250000	391547	0763814	2331 N FULTON
693	KV8752	BALTIMORE, CITY OF	498.11250000			
694	WBF762	BALTIMORE, CITY OF	498.11250000	391547	0763814	2339 NEVADA
695	WBF762	BALTIMORE, CITY OF	498.11250000	391653	0763606	801 LANCASTER
696	WBF762	BALTIMORE, CITY OF	498.11250000	391723	0763612	110 S EXETER
697	WBF762	BALTIMORE, CITY OF	498.11250000	391730	0763635	300 E LEXINGTON
698	WBF762	BALTIMORE, CITY OF	498.11250000	391730	0763939	240 N CALVERSON
699	WBF762	BALTIMORE, CITY OF	498.11250000	391738	0763703	400 CATHEDRAL
700	WBF762	BALTIMORE, CITY OF	498.11250000	391740	0763705	115 W FRANKLIN
701	WBF762	BALTIMORE, CITY OF	498.11250000	391742	0762933	8201 EASTERN

Line	City	County	State	FCC Class	HAAT	Erp	Radius
676		MONTGOMERY	MD	PL	0	198	48
677		PRINCE GEORGES	MD	PL	0	19	0
678	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
679	BALTIMORE		MD	PL	0	124	48
680			MD	PL	0	40	0
681	BALTIMORE		MD	PL	38	42	0
682	BALTIMORE		MD	PL	10	42	0
683	BALTIMORE		MD	PL	-48	17.9	0
684	BALTIMORE		MD	PL	23	30	0
685	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
686		PRINCE GEORGES	MD	PL	0	158	0
687	BALTIMORE		MD	PL	0	124	48
688	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
689		PRINCE GEORGES	MD	PL	0	158	0
690	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
691		PRINCE GEORGES	MD	PL	0	19	0
692	BALTIMORE		MD	PL	-3	34	0
693			MD	PL	0	25	0
694	BALTIMORE		MD	PL	-11	33	0
695	BALTIMORE		MD	PL	-41	39	0
696	BALTIMORE		MD	PL	38	42	0
697	BALTIMORE		MD	PL	-21	33	0
698	BALTIMORE		MD	PL	-13	36	0
699	BALTIMORE		MD	PL	-23	42	0
700	BALTIMORE		MD	PL	-7	42	0
701	BALTIMORE		MD	PL	19	95	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
702	WBF762	BALTIMORE, CITY OF	498.11250000	391757	0763325	4810 PULASKI
703	WBF762	BALTIMORE, CITY OF	498.11250000	391827	0763528	1801 E OLIVER
704	WBF762	BALTIMORE, CITY OF	498.11250000	391827	0763635	1500 GREENMOUNT AVE
705	WBF762	BALTIMORE, CITY OF	498.11250000	391844	0763728	560 W NORTH
706	WBF762	BALTIMORE, CITY OF	498.11250000	391901	0763732	2601 FALLS RD
707	WBF762	BALTIMORE, CITY OF	498.11250000	391910	0763730	2801 SISSON ST
708	WII964	BALTIMORE, CITY OF	498.11250000	391739	0763646	414 N CALVERT ST
709	WIJ471	PRINCE GEORGES, COUNTY OF	498.13750000			
710	KUX236	PRINCE GEORGES, COUNTY OF	498.13750000	385329	0765210	7911 ANCHOR ST
711	KG322	MOUNT RAINIER, CITY OF	498.16250000	385616	0765744	
712	CTL460	MARYLAND, STATE OF	498.16250000	391705	0764420	5901 BALTIMORE NATL PIKE
713	KV8752	BALTIMORE, CITY OF	498.18750000			
714	WII964	BALTIMORE, CITY OF	498.18750000	391739	0763646	414 N CALVERT ST
715	WIK371	PRINCE GEORGES, COUNTY OF	498.21250000	385329	0765210	7911 ANCHOR ST
716	WIK371	PRINCE GEORGES, COUNTY OF	498.21250000			
717	KB5891	UNIVERSITY OF MARYLAND AT BALTIMORE	498.23750000	391718	0763729	
718	KXY611	ROCKVILLE, CITY OF	498.23750000	390504	0770909	EXECUTIVE OFC BLDG 101 MONROE
719	KXY611	ROCKVILLE, CITY OF	498.23750000	390504	0770909	EXECUTIVE OFC BLDG 101 MONROE
720	KV8752	BALTIMORE, CITY OF	498.26250000			
721	WBG847	BALTIMORE, CITY OF	498.26250000	391755	0763825	2600 MADISON AVE
722	WIG282	BALTIMORE, CITY OF	498.26250000	391742	0762933	8201 EASTERN BLVD
723	WII964	BALTIMORE, CITY OF	498.26250000	391739	0763646	414 N CALVERT ST
724	KV8752	BALTIMORE, CITY OF	498.28750000			
725	WBG848	BALTIMORE, CITY OF	498.28750000	391547	0763814	2339 NEVADA ST
726	WBG848	BALTIMORE, CITY OF	498.28750000	391653	0763606	801 LANCASTER ST
727	WBG848	BALTIMORE, CITY OF	498.28750000	391720	0763705	201 W BALTIMORE

Line	City	County	State	FCC Class	HAAT	Erp	Radius
702	BALTIMORE		MD	PL	-9	36	0
703	BALTIMORE		MD	PL	-4	36	0
704	BALTIMORE		MD	PL	-19	9	0
705	BALTIMORE		MD	PL	-34	36	0
706	BALTIMORE		MD	PL	-23	29	0
707	BALTIMORE		MD	PL	-22	29	0
708	BALTIMORE		MD	PL	-48	17.9	0
709		PRINCE GEORGES	MD	PL	0	19	0
710	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
711		PRINCE GEORGES	MD	PP	0	120	56
712	BALTIMORE		MD	PL	0	124	48
713			MD	PL	0	40	0
714	BALTIMORE		MD	PL	-48	17.9	0
715	LANDOVER	PRINCE GEORGES	MD	PL	30	16	0
716		PRINCE GEORGES	MD	PL	0	108	0
717			MD	PL	0	8	24
718	ROCKVILLE	MONTGOMERY	MD	PP	0	75	48
719	ROCKVILLE	MONTGOMERY	MD	PP	0	5	48
720			MD	PL	0	40	0
721	BALTIMORE		MD	PL	6	95	0
722	BALTIMORE		MD	PL	19	95	0
723	BALTIMORE		MD	PL	-48	17.9	0
724			MD	PL	0	25	0
725	BALTIMORE		MD	PL	-11	33	0
726	BALTIMORE		MD	PL	-41	39	0
727	BALTIMORE		MD	PL	13	33	0

Line	Call Sign	Licensor	Frequency	Latitude	Longitude	Transmitter Address
728	WBG848	BALTIMORE, CITY OF	498.28750000	391730	0763635	300 E LEXINGTON ST
729	WBG848	BALTIMORE, CITY OF	498.28750000	391730	0763939	240 N CALVERTON
730	WBG848	BALTIMORE, CITY OF	498.28750000	391757	0763323	4810 PULASKI HWY
731	WBG848	BALTIMORE, CITY OF	498.28750000	391827	0763528	1801 E OLIVER ST
732	WBG848	BALTIMORE, CITY OF	498.28750000	391844	0760728	560 W NORTH AVE
733	WBG848	BALTIMORE, CITY OF	498.28750000	391854	0763839	2331 N FULTON AVE
734	WBG848	BALTIMORE, CITY OF	498.28750000	391901	0763732	2601 FALLS RD
735	WBG848	BALTIMORE, CITY OF	498.28750000	391910	0763730	2801 SISSON ST
736	WII964	BALTIMORE, CITY OF	498.28750000	391739	0763646	414 N CALVERT ST
737	WIJ233	BALTIMORE, CITY OF	498.28750000	392041	0763553	1201 E COLD SPRING LN
738	KT8257	MONTGOMERY, COUNTY OF	498.31250000	390946	0772403	
739	KT8257	MONTGOMERY, COUNTY OF	498.31250000	390716	0765920	
740	KT8257	MONTGOMERY, COUNTY OF	498.31250000	390451	0770850	
741	KT8257	MONTGOMERY, COUNTY OF	498.33750000	390421	0770850	
742	KT8257	MONTGOMERY, COUNTY OF	498.33750000	390716	0765920	
743	KT8257	MONTGOMERY, COUNTY OF	498.33750000	391158	0772054	
744	KT8257	MONTGOMERY, COUNTY OF	498.36250000	390716	0765920	
745	KT8257	MONTGOMERY, COUNTY OF	498.38750000	390716	0765920	
746	KT8257	MONTGOMERY, COUNTY OF	498.38750000	390451	0770850	
747	KT8257	MONTGOMERY, COUNTY OF	498.38750000	390946	0772403	
748	KT8257	MONTGOMERY, COUNTY OF	498.41250000	390451	0770850	
749	KT8257	MONTGOMERY, COUNTY OF	498.41250000	390716	0765920	
750	KT8257	MONTGOMERY, COUNTY OF	498.41250000	391158	0772054	
751	WIF634	LONGMIRE, ALBERT	498.48750000	391911	0763831	3501 CLIPPER RD
752	WIF634	LONGMIRE, ALBERT	498.48750000	391953	0763928	2401 VIOLET AVE
753	WIG373	RELIABLE TIRE SALES INC	498.48750000	391500	0764003	4771 HOLLINS FERRY

Line	City	County	State	FCC Class	HAAT	Erp	Radius
728	BALTIMORE		MD	PL	-21	33	0
729	BALITMORE		MD	PL	-13	36	0
730	BALTIMORE		MD	PL	-9	36	0
731	BALTIMORE		MD	PL	-4	36	0
732	BALTIMORE		MD	PL	-34	36	0
733	BALTIMORE		MD	PL	-3	34	0
734	BALTIMORE		MD	PL	-23	29	0
735	BALTIMORE		MD	PL	-22	29	0
736	BALTIMORE		MD	PL	-48	17.9	0
737	BALTIMORE		MD	PL	23	30	0
738		MONTGOMERY	MD	PL	0	198	48
739		MONTGOMERY	MD	PL	0	198	48
740		MONTGOMERY	MD	PL	0	198	48
741		MONTGOMERY	MD	PL	0	198	48
742		MONTGOMERY	MD	PL	0	198	48
743		MONTGOMERY	MD	PL	0	198	48
744		MONTGOMERY	MD	PL	0	198	48
745		MONTGOMERY	MD	PL	0	198	48
746		MONTGOMERY	MD	PL	0	198	48
747		MONTGOMERY	MD	PL	0	198	48
748		MONTGOMERY	MD	PL	0	198	24
749		MONTGOMERY	MD	PL	0	198	24
750		MONTGOMERY	MD	PL	0	198	24
751	BALTIMORE		MD	IB	-16	126	0
752	BALTIMORE		MD	IB	0	50	48
753	BALTIMORE		MD	IB	-20	47	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
754	WIG373	RELIABLE TIRE SALES INC	498.48750000	391709	0763554	1013 CATHEDRAL
755	WIG373	RELIABLE TIRE SALES INC	498.48750000	391953	0763928	2401 VIOLET
756	WPJL759	WASHINGTON EXPRESS SERVICES	498.48750000	385953	0770010	8541A PINEY BRANCH RD
757	WPJL759	WASHINGTON EXPRESS SERVICES	498.48750000	385959	0770327	8800 BROOKVILLE RD
758	WIF233	VITRO CORPORATION	498.51250000	390001	0770328	8800 BROOKVILLE
759	WIF233	VITRO CORPORATION	498.51250000	390500	0770513	14000 GEORGIA AVE
760	WPJL759	WASHINGTON EXPRESS SERVICES	498.51250000	385953	0770010	8541A PINEY BRANCH RD
761	WPJL759	WASHINGTON EXPRESS SERVICES	498.51250000	385959	0770327	8800 BROOKVILLE RD
762	WPJL759	WASHINGTON EXPRESS SERVICES	498.56250000	385953	0770010	8541A PINEY BRANCH RD
763	WPJL759	WASHINGTON EXPRESS SERVICES	498.56250000	385959	0770327	8800 BROOKVILLE RD
764	WIL788	MULTIVISION CABLE TV	498.58750000	385745	0765005	9609 ANNAPOLIS RD
765	WIM455	NORTHROP GRUMMAN CORPORATION	498.61250000	391050	0764128	7323 AVIATION BLVD
766	KZM689	STEUART FUELS	498.63750000	385959	0770327	8800 BROOKVILLE RD
767	WIL788	MULTIVISION CABLE TV	498.63750000	385745	0765005	9609 ANNAPOLIS RD
768	WIH371	FAIRMOUNT MILL AND LUMBER INC	498.66250000	390917	0765158	10260 GORMAN RD
769	WIH371	FAIRMOUNT MILL AND LUMBER INC	498.66250000	391200	0764400	6303 MACAW CT
770	WIH535	NORTHROP GRUMMAN CORPORATION	498.66250000	392010	0763859	3900 HOOPER AVE TELEVISION HILL
771	WIH535	NORTHROP GRUMMAN CORPORATION	498.66250000	392010	0763859	3900 HOOPER AVE TELEVISION HILL
772	WIH535	NORTHROP GRUMMAN CORPORATION	498.66250000	391109	0764110	7323 AVIATION BLVD
773	WIH535	NORTHROP GRUMMAN CORPORATION	498.66250000	390022	0762428	895 OCEANIC DR
774	WIH535	NORTHROP GRUMMAN CORPORATION	498.66250000	391222	0764110	1212 WINTESON R
775	WIH535	NORTHROP GRUMMAN CORPORATION	498.66250000	392930	0763921	1111 SCHILLING RD
776	WIH535	NORTHROP GRUMMAN CORPORATION	498.66250000	391216	0764055	1580A W NURSERY RD
777	WIL774	NORTHROP GRUMMAN CORPORATION	498.66250000	392226	0765748	7301 SYKESVILLE RD
778	WIL774	NORTHROP GRUMMAN CORPORATION	498.66250000	392010	0763859	
779	WIG246	FRALL DEVELOPERS INC	498.68750000	392115	0771030	13501 PENN SHOP RD

Line	City	County	State	FCC Class	HAAT	Erp	Radius
754	BALTIMORE		MD	IB	-12	47	0
755	BALTIMORE		MD	IB	0	42	48
756	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
757	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
758	SILVER SPRINGS	MONTGOMERY	MD	IB	0	28	48
759	SILVER SPRINGS	MONTGOMERY	MD	IB	12	133	0
760	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
761	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
762	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
763	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
764	LANHAM	PRINCE GEORGES	MD	IS	0	30	40
765	LINTHICUM	ANNE ARUNDEL	MD	IX	0	0	32
766	SILVER SPRING	MONTGOMERY	MD	IS	0	69	48
767	LANHAM	PRINCE GEORGES	MD	IS	0	30	40
768	LAUREL	HOWARD	MD	IB	0	53	40
769	BALTIMORE		MD	IB	-2	42	0
770	BALTIMORE		MD	IB	0	150	48
771	BALTIMORE		MD	IB	0	5	48
772	LINTHICUM	ANNE ARUNDEL	MD	IB	2	30	0
773	ANNAPOLIS	ANNE ARUNDEL	MD	IB	13	30	0
774	LINTHICUM	ANNE ARUNDEL	MD	IB	17	30	0
775	HUNT VALLEY	BALTIMORE	MD	IB	0	30	0
776	LINTHICUM	ANNE ARUNDEL	MD	IB	28	30	0
777	SYKESVILLE	CARROLL	MD	IB	-2	30	0
778		CARROLL	MD	IB	0	5	48
779	MOUNT AIRY	FREDERICK	MD	IB	18	100	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
780	WIG246	FRALL DEVELOPERS INC	498.68750000	392115	0771030	13501 PENN SHOP RD
781	WPJL759	WASHINGTON EXPRESS SERVICES	498.68750000	385953	0770010	8541A PINEY BRANCH RD
782	WPJL759	WASHINGTON EXPRESS SERVICES	498.68750000	385959	0770327	8800 BROOKVILLE RD
783	WIG464	TIDEWATER EQUIPMENT CO INC	498.71250000	391459	0762935	PIER 2 CANTON NEW GATE ST
784	WIG464	TIDEWATER EQUIPMENT CO INC	498.71250000	391612	0763409	BETHLEHEM STEEL DK SPARROWS
785	WIG464	TIDEWATER EQUIPMENT CO INC	498.71250000	391715	0763656	1000 LIGHT ST
786	WIG668	BOND DISTRIBUTING COMPANY	498.71250000	391620	0763930	1220 BERNARD
787	WIG668	BOND DISTRIBUTING COMPANY	498.71250000	391902	0763823	5602 BALTIMORE NATL BANK
788	KNA439	HAISLIP CORPORATION	498.73750000	385658	0765207	8666 OLD ARDMORE RD
789	WIH537	COLUMBIA UNION COLLEGE	498.73750000	385905	0765959	7600 FLOWER AVENUE
790	WPJL759	WASHINGTON EXPRESS SERVICES	498.73750000	385953	0770010	8541A PINEY BRANCH RD
791	WPJL759	WASHINGTON EXPRESS SERVICES	498.73750000	385959	0770327	8800 BROOKVILLE RD
792	KZ4000	BONNETT, WILLIAM R	498.76250000			
793	KB6236	WELLS, MARVIN	498.76250000			
794	KJV831	WELSH CONSTRUCTION REMODELING CO	498.76250000			
795	KJV831	WELSH CONSTRUCTION REMODELING CO	498.76250000	391759	0763357	3901 E MONUMENT ST
796	KNM403	WESTWAY AUTOMOTIVE	498.76250000	391715	0763656	100 LIGHT ST
797	KNM403	WESTWAY AUTOMOTIVE	498.76250000	391708	0764245	5505 EDMONSON AVE
798	WCB489	BONNETT, WILLIAM R	498.76250000	391924	0763237	5400 FRANKFORD AVE
799	WSW600	MILLAR ELEVATOR SERVICE CO	498.76250000			
800	WSW600	MILLAR ELEVATOR SERVICE CO	498.76250000	391634	0763623	1240 KEY HWY
801	WIK989	MANEKIN CORPORATION	498.78750000	393000	0772957	
802	WPJL759	WASHINGTON EXPRESS SERVICES	498.78750000	385953	0770010	8541A PINEY BRANCH RD
803	WPJL759	WASHINGTON EXPRESS SERVICES	498.78750000	385959	0770327	8800 BROOKVILLE RD
804	WIE949	GLADHILL TRACTOR MART	498.81250000	392434	0772337	900 E PATRICK ST
805	WIE949	GLADHILL TRACTOR MART	498.81250000			

Line	City	County	State	FCC Class	HAAT	Erp	Radius
780	MOUNT AIRY	FREDERICK	MD	IB	0	141	48
781	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
782	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
783	BALTIMORE		MD	IB	-16	119	0
784	BALTIMORE		MD	IB	16	64	0
785	BALTIMORE		MD	IB	0	196	48
786	BALTIMORE		MD	IB	-23	140	0
787	BALTIMORE		MD	IB	0	50	40
788	LANDOVER	PRINCE GEORGES	MD	IB	-9	107	0
789	TAKOMA PARK	PRINCE GEORGES	MD	IB	0	4	8
790	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
791	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
792			MD	IB	0	37	0
793			MD	IB	0	62	0
794			MD	IB	0	40	0
795	BALTIMORE		MD	IB	-25	119	0
796	BALTIMORE		MD	IB	0	63	48
797	BALTIMORE		MD	IB	30	50	0
798	BALTIMORE		MD	IB	-13	119	0
799			MD	IB	0	4	0
800	BALTIMORE		MD	IB	-46	12	0
801		FREDERICK	MD	IB	0	10	48
802	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
803	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
804	FREDERICK	FREDERICK	MD	IB	-45	106	0
805			MD	IB	0	37	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
806	WIE949	GLADHILL TRACTOR MART	498.81250000			
807	WIF650	TAYLOR RENTAL CENTER	498.81250000	392434	0772351	57 HAMILTON AVENUE
808	WIF650	TAYLOR RENTAL CENTER	498.81250000	393000	0772957	GAMBRILL PK
809	WIF745	FREDERICK I 70 TRUCK CITY	498.81250000	392408	0772427	SOUTH MARKET ST EXTD
810	WIF745	FREDERICK I 70 TRUCK CITY	498.81250000	393000	0772957	GAMBRILL PARK
811	WPJT868	CHAMPION COMMUNICATION SERVICES INC	498.81250000	390654	0771159	9701 FIELDS RD
812	WPJT868	CHAMPION COMMUNICATION SERVICES INC	498.81250000	390654	0771159	9701 FIELDS RD
813	KXW323	INSTRUCOM INC	498.83750000	384619	0764806	8600 CRAIN HWY
814	KXW323	INSTRUCOM INC	498.83750000	390839	0765915	17335 DONORA RD
815	WPKJ942	CHAMPION COMMUNICATION SERVICES INC	498.83750000	392413	0772024	.5 MI W OF I70
816	WPKJ942	CHAMPION COMMUNICATION SERVICES INC	498.83750000	392413	0772024	.5 MI W OF I70
817	WIH652	JMB MANAGEMENT CORPORATION	498.86250000	391837	0764353	6901 SECURITY BLVD
818	WIH652	JMB MANAGEMENT CORPORATION	498.86250000	391837	0764353	6901 SECURITY BLVD
819	WIJ478	AGGREGATE TRANSPORT CORP	498.86250000	391406	0770209	15165 TRIDELPHIA MILL RD
820	WIG974	BERWYN FUEL INC	498.88750000	390029	0765043	101 LAUREL
821	KXS850	BELTWY AUTO & PLATE GLASS COMPANY	498.88750000	390257	0765819	11700 OLD COLLEGE PARK
822	KXS850	BELTWY AUTO & PLATE GLASS COMPANY	498.88750000	390041	0765315	9600 BALTIMORE AVE
823	KYK925	ADRIAN L MERTON INC	498.88750000	385955	0770151	8757 GEORGIA AVE
824	KYK925	ADRIAN L MERTON INC	498.88750000	385301	0765123	9011E HAMPTON DR
825	WIG655	BALMAR PRINTING & GRAPHICS	498.88750000	390257	0765819	11700 OLD COLUMBIA
826	WIG655	BALMAR PRINTING & GRAPHICS	498.88750000	390735	0771032	16780 OAKMONT
827	WIG655	BALMAR PRINTING & GRAPHICS	498.88750000	390735	0771032	16780 OAKMONT
828	WIG974	BERWYN FUEL INC	498.88750000	390101	0765825	MT PISGAH RD
829	WIG245	MANEKIN CORPORATION	498.91250000	391715	0763656	1000 LIGHT ST
830	WIG245	MANEKIN CORPORATION	498.91250000	391722	0763659	36 S CHARLES ST
831	WIL335	TOTAL HEALTH CARE	498.91250000	392800	0763900	

Line	City	County	State	FCC Class	HAAT	Erp	Radius
806			MD	IB	0	8	0
807	FREDERICK	FREDERICK	MD	IB	-51	125	0
808	FREDERICK	FREDERICK	MD	IB	0	125	48
809	FREDERICK	FREDERICK	MD	IB	-28	70	0
810	FREDERICK	FREDERICK	MD	IB	0	49	48
811	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
812	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
813	UPPER MARLBORO	PRINCE GEORGES	MD	IB	0	190	48
814	SILVER SPRING	MONTGOMERY	MD	IB	0	190	48
815	FREDERICK	FREDERICK	MD	IB	0	50	48
816	FREDERICK	FREDERICK	MD	IB	0	50	48
817	BALTIMORE		MD	IB	20	15	0
818	BALTIMORE		MD	IB	0	75	8
819	GLENLEG	HOWARD	MD	IB	0	141	32
820	LAUREL	MONTGOMERY	MD	IB	5	119	0
821	SILVER SPRING	MONTGOMERY	MD	IB	0	56	48
822	COLLEGE PARK	PRINCE GEORGES	MD	IB	6	30	0
823	SILVER SPRINGS	MONTGOMERY	MD	IB	0	75	48
824	CAPITOL HEIGHTS	PRINCE GEORGES	MD	IB	17	200	0
825	SILVER SPRING	MONTGOMERY	MD	IB	0	63	32
826	GAITHERSBURG	MONTGOMERY	MD	IB	0	63	32
827	GAITHERSBURG	MONTGOMERY	MD	IB	22	158	32
828	SILVER SPRING	MONTGOMERY	MD	IB	0	166	48
829	BALTIMORE		MD	IB	0	60	48
830	BALTIMORE		MD	IB	-12	53	0
831		BALTIMORE	MD	IB	0	25	2

Line	Call Sign	Licensor	Frequency	Latitude	Longitude	Transmitter Address
832	KB2387	SMITH REFRIGERATION INC	498.93750000	391713	0764516	
833	KB2581	WALLACE ROOFING CO INC	498.93750000			
834	KNM315	HARRISON WOOD FLOORS INC	498.93750000	391713	0764516	POWERS LN & ROLLING RD
835	KNM315	HARRISON WOOD FLOORS INC	498.93750000	391604	0763940	2630 GEORGETOWN RD
836	KNM741	ALLIED SIGNAL TECHNICAL SVCS CORP	498.93750000	391713	0764516	ROLLING RD
837	KNM741	ALLIED SIGNAL TECHNICAL SVCS CORP	498.93750000	391413	0764936	9250 RT 108
838	KZU643	NORTHROP GRUMMAN CORPORATION	498.93750000	391713	0764516	
839	KZU643	NORTHROP GRUMMAN CORPORATION	498.93750000	391713	0764516	
840	WEA572	SMITH REFRIGERATION INC	498.93750000	392145	0763311	6600 HARFORD RD
841	WEA753	WALLACE ROOFING CO INC	498.93750000	392022	0764545	3036 ROLLING RD
842	WIL787	DAVIS, JAMES	498.93750000	391713	0764516	RT 40 & ROLLING RD
843	KNR284	STAMBAUGHS INC	498.96250000	393244	0765933	GLEN HILL CT
844	KNR284	STAMBAUGHS INC	498.96250000	393459	0770941	HOOK RD & RT 32
845	WIJ667	GLENN CORBIN JR CO INC	498.96250000	385430	0763426	S RIVER CLUBHOUSE RD 1 1/2 MI S
846	WIJ667	GLENN CORBIN JR CO INC	498.96250000	390150	0763708	CROWNSVILLE RD
847	WIK696	S L BARE INC	498.96250000			
848	WIK696	S L BARE INC	498.96250000			
849	WEB456	TEVIS OIL INC	499.01250000	393442	0765938	82 JOHN ST
850	WEB456	TEVIS OIL INC	499.01250000	393415	0765846	552 OLD GORSUCH RD
851	WPJL759	WASHINGTON EXPRESS SERVICES	499.01250000	385953	0770010	8541A PINEY BRANCH RD
852	WPJL759	WASHINGTON EXPRESS SERVICES	499.01250000	385959	0770327	8800 BROOKVILLE RD
853	KNM794	PRINCE GEORGES COMMUNITY COLLEGE	499.03750000	385307	0764934	301 LARGO RD MARLBORO HALL
854	KNM794	PRINCE GEORGES COMMUNITY COLLEGE	499.03750000	385310	0764934	301 LARGO RD CAMPUS POLICE PLA
855	KNR804	LEISURE WORLD OF MARYLAND CORP	499.03750000	390617	0770416	3330 LEISURE WORLD BLVD
856	KNR804	LEISURE WORLD OF MARYLAND CORP	499.03750000	390601	0770440	3701 ROSSMOOR BLVD
857	KNT399	NORTHROP GRUMMAN CORPORATION	499.03750000	391108	0764111	7323 AVIATION BLVD

Line	City	County	State	FCC Class	HAAT	Erp	Radius
832		BALTIMORE	MD	IB	0	62	48
833			MD	IB	0	196	0
834	CATONSVILLE	BALTIMORE	MD	IB	0	37	48
835	BALTIMORE		MD	IB	-25	50	0
836	CATONSVILLE	BALTIMORE	MD	IB	0	63	48
837	COLUMBIA	HOWARD	MD	IB	28	114	0
838		BALTIMORE	MD	IB	0	150	48
839		BALTIMORE	MD	IB	0	5	48
840	BALTIMORE		MD	IB	22	119	0
841	BALTIMORE		MD	IB	30	25	0
842	CATONSVILLE	BALTIMORE	MD	IB	0	50	48
843	UNION BRIDGE	CARROLL	MD	IB	0	62	48
844	WESTMINSTER	CARROLL	MD	IB	-2	113	0
845	HARWOOD	ANNE ARUNDEL	MD	IB	0	54	48
846	ANNAPOLIS	ANNE ARUNDEL	MD	IB	15	200	0
847			MD	IB	0	189	0
848			MD	IB	0	66	0
849	WESTMINSTER	CARROLL	MD	IB	-2	45	0
850	WESTMINSTER	CARROLL	MD	IB	0	30	48
851	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
852	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
853	LARGO	PRINCE GEORGES	MD	IB	0	35	24
854	LARGO	PRINCE GEORGES	MD	IB	-5	35	0
855	SILVER SPRING	MONTGOMERY	MD	IB	0	4	48
856	SILVER SPRING	MONTGOMERY	MD	IB	30	14	0
857	LINTHICUM	ANNE ARUNDEL	MD	IB	0	150	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
858	KNT399	NORTHROP GRUMMAN CORPORATION	499.03750000	391108	0764111	7323 AVIATION BLVD
859	KNT399	NORTHROP GRUMMAN CORPORATION	499.03750000	391216	0764055	1580A W NURSERY RD
860	WIL582	WILMERS COMMUNICATIONS INC	499.06250000	385430	0763426	S RIVER POLINGHOUSE RD
861	KNO237	CHARLES COUNTY COMMUNITY COLLEGE	499.08750000	383325	0770026	ADMINISTRATION BUILDING MITCHE
862	KNO237	CHARLES COUNTY COMMUNITY COLLEGE	499.08750000	383323	0770027	WATER TANK NEAR MITCHELL ROA
863	KNQ229	DENEAU CONSTRUCTION INC	499.08750000	385835	0770653	5601 RIVER RD
864	KNQ229	DENEAU CONSTRUCTION INC	499.08750000	390956	0771007	7861 BEECHCRAFT AVE
865	WIE933	WILMERS COMMUNICATIONS INC	499.08750000	382925	0764518	GOLDENBEACH RD
866	WPJT857	CHAMPION COMMUNICATION SERVICES INC	499.08750000	390654	0771159	9701 FIELDS RD
867	WPJT857	CHAMPION COMMUNICATION SERVICES INC	499.08750000	390654	0771159	9701 FIELDS RD
868	KNA437	ROBINSONS AIR CONDITIONING & HEATING COINC	499.13750000	390001	0770320	8800 BROOKVILLE RD
869	KNA437	ROBINSONS AIR CONDITIONING & HEATING COINC	499.13750000	390627	0770812	1055 B E GUDE DR
870	KNR345	UNIVERSAL CONTRACTORS INC	499.16250000	391055	0764555	5673 FURNANCE AVE
871	KNR345	UNIVERSAL CONTRACTORS INC	499.16250000	391713	0764516	WFMM TOWER E OF US 40 & ROLLIN
872	WPJL759	WASHINGTON EXPRESS SERVICES	499.16250000	385953	0770010	8541A PINEY BRANCH RD
873	WPJL759	WASHINGTON EXPRESS SERVICES	499.16250000	385959	0770327	8800 BROOKVILLE RD
874	KB2345	WINPIGLER ROOFING INC	499.18750000			
875	KS4143	GEORGIA PACIFIC CORPORATION	499.18750000	391713	0764516	
876	KXF418	MILTON JAMES COMPANY INC	499.18750000	391713	0764516	US RT 40 ON ROLLING RD
877	KXF418	MILTON JAMES COMPANY INC	499.18750000	391941	0762938	8411 PULASKI HWY
878	WAC554	GEORGIA PACIFIC CORPORATION	499.18750000	391808	0763211	6813 QUAD AVE
879	WCC713	WALTER W KING PLUMBING & HEATING	499.18750000	392959	0772953	CATOCTIN MOUNTAIN
880	WCC713	WALTER W KING PLUMBING & HEATING	499.18750000	392250	0772858	5305 KINGS CT
881	WEA531	WINPIGLER ROOFING INC	499.18750000	392513	0772406	28 E 6TH ST
882	WPJL759	WASHINGTON EXPRESS SERVICES	499.18750000	385953	0770010	8541A PINEY BRANCH RD
883	WPJL759	WASHINGTON EXPRESS SERVICES	499.18750000	385959	0770327	8800 BROOKVILLE RD

Line	City	County	State	FCC Class	HAAT	Erp	Radius
858	LINTHICUM	ANNE ARUNDEL	MD	IB	0	5	48
859	LINTHICUM	ANNE ARUNDEL	MD	IB	29	30	0
860	HARWOOD	ANNE ARUNDEL	MD	IB	0	196	48
861	LA PLATA	CHARLES	MD	IB	18	79	0
862	LA PLATA	CHARLES	MD	IB	0	159	48
863	BETHESDA	MONTGOMERY	MD	IB	0	125	48
864	GAITHERSBURG	MONTGOMERY	MD	IB	20	75	0
865	CHARLOTTE HALL	CHARLES	MD	IB	0	196	48
866	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
867	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
868	SILVER SPRING	MONTGOMERY	MD	IB	0	42	48
869	ROCKVILLE	MONTGOMERY	MD	IB	142	119	0
870	BALTIMORE		MD	IB	6	23	0
871	CATONSVILLE		MD	IB	0	62	48
872	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
873	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
874			MD	IB	0	43	0
875		BALTIMORE	MD	IB	0	64	48
876	CATONSVILLE	BALTIMORE	MD	IB	0	55	48
877	BALTIMORE		MD	IB	30	133	0
878	BALTIMORE		MD	IB	-12	95	0
879	FREDERICK	FREDERICK	MD	IB	0	75	48
880	FREDERICK	FREDERICK	MD	IB	3	67	0
881	FREDERICK	FREDERICK	MD	IB	-39	75	0
882	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
883	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48

Line	Call Sign	Licensor	Frequency	Latitude	Longitude	Transmitter Address
884	KNO924	MC DONOGH SCHOOL INC	499.21250000	392345	0764644	TRANSPORTATION BLVD
885	WIL890	CENTEX HOMES INC	499.21250000	390000	0764100	
886	WIL345	CARR REAL ESTATE SERVICES INC	499.23750000	385908	0770518	7500 OLD GEORGETOWN RD
887	WPKL460	TEVIS OIL INC	499.23750000			
888	WPKL460	TEVIS OIL INC	499.23750000			
889	WIE882	R MICHAEL TABOR INC	499.26250000	392957	0772953	GAMBRILL PARK RD
890	WIE882	R MICHAEL TABOR INC	499.26250000	392630	0773247	205 S CHURCH ST
891	WIH532	ASSOCIATED CATHOLIC CHARITIES INC	499.26250000	391731	0763700	15 CHARLES PLAZA
892	WIJ749	POOLE SR, HARRY A	499.26250000	392957	0772953	GAMBRILL PARK RD 7 1/2 MI W
893	WIJ749	POOLE SR, HARRY A	499.26250000	393050	0771445	11935 COPPERMINE RD
894	WIL247	SCHINDLER CORPORATION	499.26250000	390326	0765407	12000 INDIAN CREEK CT
895	WPJT851	CHAMPION COMMUNICATION SERVICES INC	499.28750000	390654	0771159	9701 FIELDS RD
896	WPJT851	CHAMPION COMMUNICATION SERVICES INC	499.28750000	390654	0771159	9701 FIELDS RD
897	KGD810	GENSTAR STONE PRODUCTS COMPANY	499.31250000	385843	0770556	ARLINGTON AVE & BETHESDA AVE
898	KGD810	GENSTAR STONE PRODUCTS COMPANY	499.31250000	390550	0770811	SOUTHLAWN & GUDE
899	KGD810	GENSTAR STONE PRODUCTS COMPANY	499.31250000	391055	0771820	14801 CLOPPER RD
900	WII286	GENERAL CONFERENCE OF SEVENTH DAY ADVENTISTS	499.41250000	390347	0765802	12501 OLD COLUMBIA PIKE
901	KR4461	NEILSONS MASONRY INC	499.63750000			
902	WIE677	UNITED PROPANE INC	499.63750000	384822	0761152	TALBOT ST
903	WIE677	UNITED PROPANE INC	499.63750000	385430	0763426	RIVER CLUB HIGH SCHOOL
904	WIE677	UNITED PROPANE INC	499.63750000	390553	0763746	205 NAJOLES RD
905	WIJ216	WILES CONSTRUCTION INC	499.63750000	385430	0763426	1/4 MI S OF RIVER CLUB RD
906	WIJ216	WILES CONSTRUCTION INC	499.63750000	390635	0762809	76 LAKE SHORE DR
907	WIL539	R E I R INC	499.63750000	385430	0763426	S RIVER CLUBHOUSE RD
908	WIL539	R E I R INC	499.63750000	390412	0763230	877 B & A BLVD
909	WIL579	POOLE, MICHAEL	499.63750000	392959	0772953	GAMBRILL PARK RD 7 1/2 MI W

Line	City	County	State	FCC Class	HAAT	Erp	Radius
884	MC DONOGH	BALTIMORE	MD	IB	0	90	48
885		ANNE ARUNDEL	MD	IB	0	4	40
886	BETHESDA	MONTGOMERY	MD	IB	0	5	5
887			MD	IB	0	70	0
888			MD	IB	0	70	0
889	FREDERICK	FREDERICK	MD	IB	0	42	48
890	MIDDLETOWN	FREDERICK	MD	IB	-22	106	0
891	BALTIMORE		MD	IB	0	4	24
892	FREDERICK	FREDERICK	MD	IB	0	25	40
893	UNION BRIDGE	FREDERICK	MD	IB	28	47	0
894	BELTSVILLE	PRINCE GEORGES	MD	IB	-9	450	0
895	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
896	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
897	BETHESDA	MONTGOMERY	MD	IS	30	120	0
898	ROCKVILLE	MONTGOMERY	MD	IS	30	120	0
899	BOYDS	MONTGOMERY	MD	IS	4	120	0
900	SILVER SPRING	MONTGOMERY	MD	IB	0	4	8
901			MD	IB	0	196	0
902	SAINT MICHAELS	TALBOT	MD	IB	9	119	0
903	BIRDSVILLE	ANNE ARUNDEL	MD	IB	0	200	48
904	MILLERSVILLE	ANNE ARUNDEL	MD	IB	5	119	0
905	BIRDVILLE	ANNE ARUNDEL	MD	IB	0	119	48
906	PASADENA	ANNE ARUNDEL	MD	IB	18	95	0
907	HARWOOD	ANNE ARUNDEL	MD	IB	0	50	48
908	SEVERNA PARK	ANNE ARUNDEL	MD	IB	3	30	0
909	FREDERICK	FREDERICK	MD	IB	0	5	48

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
910	WIL579	POOLE, MICHAEL	499.63750000	392959	0772953	GAMBRILL PARK RD 7 1/2 MI W
911	WIL579	POOLE, MICHAEL	499.63750000	393050	0771445	10828 COPPERMINE RD
912	WIL917	WILMERS COMMUNICATIONS INC	499.63750000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
913	WIL917	WILMERS COMMUNICATIONS INC	499.63750000	385606	0763304	214 MAYO RD
914	KNQ287	POLAR AIR CONDITIONING CO INC	499.66250000	390653	0770938	15701 CRABBS BRANCH WAY
915	KNQ287	POLAR AIR CONDITIONING CO INC	499.66250000	390001	0770328	8800 BROOKVILLE RD
916	WIH998	R L THOMPSON INC	499.66250000	390600	0765040	106 LAFAYETTE AVE
917	WIH998	R L THOMPSON INC	499.66250000	390001	0770328	8800 BROOKVILLE RD
918	WIH951	ALLEN N WALPERT & SON INC	499.68750000	391914	0763730	2804 HAMPDEN AVE
919	WIH951	ALLEN N WALPERT & SON INC	499.68750000	392019	0764001	4338 PARK HEIGHTS AVE
920	WPJT850	CHAMPION COMMUNICATION SERVICES INC	499.68750000	390654	0771159	9701 FIELDS RD
921	WPJT850	CHAMPION COMMUNICATION SERVICES INC	499.68750000	390654	0771159	9701 FIELDS RD
922	WIE979	CHILDS LANDSCAPING INC	499.71250000	390221	0762930	491 COLLEGE PKWY
923	WIE979	CHILDS LANDSCAPING INC	499.71250000			
924	WIH293	ANDERSON MARINE CONSTRUCTION INC	499.71250000	385430	0763426	10 S RIVER CLUBHOUSE DR
925	WIH293	ANDERSON MARINE CONSTRUCTION INC	499.71250000	390517	0763211	313 SOUTH DR
926	WIJ284	LON DONNER ELECTRICAL CONTRACTOR INC	499.71250000	385430	0763426	S RIVER CLUBHOUSE RD
927	WIJ284	LON DONNER ELECTRICAL CONTRACTOR INC	499.71250000	390040	0763155	1913 HIDDEN MEADOW LN
928	WIL921	WILMERS COMMUNICATIONS INC	499.71250000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
929	WIL921	WILMERS COMMUNICATIONS INC	499.71250000	385606	0763304	214 MAYO RD
930	WPJL759	WASHINGTON EXPRESS SERVICES	499.73750000	385953	0770010	8541A PINEY BRANCH RD
931	WPJL759	WASHINGTON EXPRESS SERVICES	499.73750000	385959	0770327	8800 BROOKVILLE RD
932	KB3944	DONALDSON HEATING & COOLING INC	499.76250000			
933	KNQ997	COWMAN JR, GEORGE G	499.76250000	391953	0763928	2401 VIOLET AVE
934	KNQ997	COWMAN JR, GEORGE G	499.76250000	392648	0765039	1024 NICODEMUS ROAD
935	WEB563	DONALDSON HEATING & COOLING INC	499.76250000	391810	0764756	8316 OLD FREDERICK RD

Line	City	County	State	FCC Class	HAAT	Erp	Radius
910	FREDERICK	FREDERICK	MD	IB	0	40	48
911	WOODSBORO	FREDERICK	MD	IB	28	47	0
912	HARWOOD	ANNE ARUNDEL	MD	IB	0	9	48
913	EDGEWATER	ANNE ARUNDEL	MD	IB	1	30	0
914	GAITHERSBURG	MONTGOMERY	MD	IB	7	135	0
915	SILVER SPRING	MONTGOMERY	MD	IB	0	42	48
916	LAUREL	PRINCE GEORGES	MD	IB	-47	85	0
917	SILVER SPRING	MONTGOMERY	MD	IB	0	43	48
918	BALTIMORE		MD	IB	-18	75	0
919	BALTIMORE		MD	IB	0	75	48
920	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
921	GAITHERSBURG	MONTGOMERY	MD	IB	0	50	48
922	ARNOLD	ANNE ARUNDEL	MD	IB	10	150	0
923			MD	IB	0	158	0
924	HARWOOD	ANNE ARUNDEL	MD	IB	0	196	48
925	SEVERNA PARK	ANNE ARUNDEL	MD	IB	9	119	0
926	HARWOOD	ANNE ARUNDEL	MD	IB	0	99	48
927	ANNAPOLIS	ANNE ARUNDEL	MD	IB	1	119	0
928	HARWOOD	ANNE ARUNDEL	MD	IB	0	25	48
929	EDGEWATER	ANNE ARUNDEL	MD	IB	1	30	0
930	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
931	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
932			MD	IB	0	42	0
933	BALTIMORE		MD	IB	0	42	48
934	REISTERSTOWN	BALTIMORE	MD	IB	30	135	0
935	ELLICOTT CITY	HOWARD	MD	IB	41	135	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
936	WIG860	WM T FOWLER CO INC	499.76250000	391953	0763928	2401 VIOLET AVE
937	WIG860	WM T FOWLER CO INC	499.76250000	392137	0770341	11 OFFUTT CT
938	WIK686	SOUTHERN MARYLAND COMMUNICATIONS INC	499.76250000	383748	0765406	.5 MI N OF RT 5 & OLD WASHINGTON
939	WIK686	SOUTHERN MARYLAND COMMUNICATIONS INC	499.76250000	383748	0765406	.5 MI N OF RT 5 & OLD WASHINGTON
940	WIG352	TUCK, LARRY	499.78750000	390155	0764411	850 SE CNWY & PAXT
941	WIG352	TUCK, LARRY	499.78750000	390313	0764042	936 PARKEY
942	WII913	RUSSELL R DWYER INC	499.78750000	390155	0764411	CONWAY & PATUXENT RD
943	WII913	RUSSELL R DWYER INC	499.78750000	390639	0763508	8377 JUMPERS HOLE RD
944	WIJ586	EARL W BOHLMAN & SONS INC	499.78750000	390500	0763508	15 TRUCKHOUSE RD
945	WIJ586	EARL W BOHLMAN & SONS INC	499.78750000			
946	WIL493	MORRIS GINSBEAR AND SON INC	499.78750000	392800	0763900	
947	WIM609	BUSER III, HENRY R	499.78750000	390155	0764411	CONWAY AND PUTUXENT RDS
948	WIM609	BUSER III, HENRY R	499.78750000	390117	0762738	1612 ST MARGARETS RD
949	WII371	CMH INC	499.81250000	384603	0765352	9007 CLINTON ST
950	WII562	EASTERN WASTE IND	499.81250000	390155	0764411	CONWAY & PATUXENT RDS
951	WII562	EASTERN WASTE IND	499.81250000	385825	0763152	308 CHINQUAPIN ROUND RD
952	WIL343	BECK, RAYBURN L	499.83750000	390301	0770709	12000 OLD GEORGETOWN RD
953	WIL736	BELTWAY EXPRESS COMMUNICATIONS	499.83750000	392020	0764002	4338 PARK HEIGHTS AVE
954	WIL736	BELTWAY EXPRESS COMMUNICATIONS	499.83750000	391620	0763528	1143 HULL ST
955	KNP215	HARLAND J SHOEMAKER & SON INC	499.86250000	391312	0772529	22210 DICKERSON RD
956	KNP215	HARLAND J SHOEMAKER & SON INC	499.86250000			
957	KNP828	BURNS ALUMINUM	499.86250000	391604	0771214	9886 MAIN ST
958	KNP828	BURNS ALUMINUM	499.86250000			
959	WIH366	J MAURICE CARLISLE INC	499.86250000	391347	0772454	19700 BARNESVILLE RD
960	WIH366	J MAURICE CARLISLE INC	499.86250000	391945	0771123	EASTERDAY TOWER RT 27 2 MI N O
961	WIL568	WILMERS COMMUNICATIONS INC	499.86250000	385430	0763426	SOUTH RIVER POLINGHOUSE RD

Line	City	County	State	FCC Class	HAAT	Erp	Radius
936	BALTIMORE		MD	IB	0	99	48
937	WOODSTOCK	HOWARD	MD	IB	-24	99	0
938	WALDORF	CHARLES	MD	IB	0	196	48
939	WALDORF	CHARLES	MD	IB	0	177	48
940	CROFTEN	ANNE ARUNDEL	MD	IB	0	200	48
941	GAMBRILLS	ANNE ARUNDEL	MD	IB	30	200	0
942	PATUXENT	ANNE ARUNDEL	MD	IB	0	166	48
943	MILLERSVILLE	ANNE ARUNDEL	MD	IB	10	95	0
944	SEVERNA PARK	ANNE ARUNDEL	MD	IB	11	119	0
945			MD	IB	0	71	0
946		BALTIMORE	MD	IB	0	5	48
947	CROFTON	ANNE ARUNDEL	MD	IB	0	75	48
948	ANNAPOLIS	ANNE ARUNDEL	MD	IB	46	25	0
949	CLINTON	PRINCE GEORGES	MD	IB	30	196	0
950	PATUXENT	ANNE ARUNDEL	MD	IB	0	187	48
951	ANNAPOLIS	ANNE ARUNDEL	MD	IB	25	95	0
952	ROCKVILLE	MONTGOMERY	MD	IB	0	5	24
953	BALTIMORE		MD	IB	0	40	48
954	BALTIMORE		MD	IB	-29	40	0
955	DICKERSON	MONTGOMERY	MD	IB	30	119	0
956			MD	IB	0	59	0
957	DAMASCUS	MONTGOMERY	MD	IB	28	76	0
958			MD	IB	0	62	0
959	DICKERSON	MONTGOMERY	MD	IB	23	99	0
960	DAMASCUS	MONTGOMERY	MD	IB	0	196	48
961	HARWOOD	ANNE ARUNDEL	MD	IB	0	196	48

Line	Call Sign	Licensor	Frequency	Latitude	Longitude	Transmitter Address
962	WIE959	ECONOMIC ROOFING CO	499.88750000	390001	0770328	
963	WIE959	ECONOMIC ROOFING CO	499.88750000	390932	0765324	10910 JOHN HOPKINS RD
964	WIJ414	RUPPERT BROS CONSTRUCTION CO INC	499.88750000	385932	0765804	2409 COOL SPRING RD
965	WIJ414	RUPPERT BROS CONSTRUCTION CO INC	499.88750000	390001	0770328	
966	WPJL759	WASHINGTON EXPRESS SERVICES	499.91250000	385953	0770010	8541A PINEY BRANCH RD
967	WPJL759	WASHINGTON EXPRESS SERVICES	499.91250000	385959	0770327	8800 BROOKVILLE RD
968	KB3278	A & J ELECTRIC CO INC	499.93750000	391715	0763656	
969	WIE934	MUSE, MARIO F	499.93750000	391715	0763656	100 LIGHT ST
970	WIE934	MUSE, MARIO F	499.93750000	391820	0764548	5110 FREDWALL AVE
971	WIL586	CLEAN AIR HEATING & AIR CONDITIONING COMPANY INC	499.93750000	391715	0763656	100 LIGHT ST USFG BLDG
972	WIL586	CLEAN AIR HEATING & AIR CONDITIONING COMPANY INC	499.93750000	391714	0763558	1911 PORTAL ST
973	WPJN741	PIMLICO KEY SERVICE	499.93750000	391715	0763656	100 LIGHT ST
974	WPJN741	PIMLICO KEY SERVICE	499.93750000	392038	0764111	5224 REISTERTOWN RD
975	KNO547	WOODROW BOYD & SONS	499.96250000	391715	0763656	1000 LIGHT
976	KNO547	WOODROW BOYD & SONS	499.96250000	391917	0763857	7667 PULASKI HWY
977	KZU641	RICHARD B RUDY INC	499.96250000	392446	0772359	424 EAST PATRICK STREET
978	KZU641	RICHARD B RUDY INC	499.96250000	392432	0772343	CORNER FRANKLIN & BERNARD STR
979	KZU641	RICHARD B RUDY INC	499.96250000	392423	0772623	203 LINDEN AVENUE
980	KZU641	RICHARD B RUDY INC	499.96250000	392924	0772956	GAMBRILL MOUNTAIN
981	WIK767	GRIMES TOWING SERVICE INC	499.96250000	392924	0772956	2 MI E ON RT 40 GAMBRILL ST PK
982	WIK767	GRIMES TOWING SERVICE INC	499.96250000	393427	0772316	1301 E PATRICK ST
983	WIL785	BELTWAY EXPRESS COMMUNICATIONS	499.96250000	390101	0765829	9727 MOUNT PISGAH RD
984	WIL785	BELTWAY EXPRESS COMMUNICATIONS	499.96250000	390101	0765829	9727 MOUNT PISGAH RD
985	WEC222	PAROLE SHELL INC	499.98750000	385515	0763105	RT 2 & FOREST DR
986	WIJ725	HUNGERFORD, REMUS:HUNGERFORD, MARK:HUNGERFORD,	499.98750000	391945	0771123	RT 27 AND BRANCH RD
987	WIJ725	HUNGERFORD, REMUS:HUNGERFORD, MARK:HUNGERFORD,	499.98750000	391951	0771220	17515 BLACK ROCK RD

Line	City	County	State	FCC Class	HAAT	Erp	Radius
962		MONTGOMERY	MD	IB	0	29	48
963	LAUREL	PRINCE GEORGES	MD	IB	22	47	0
964	ADELPHI	PRINCE GEORGES	MD	IB	-27	42	0
965		MONTGOMERY	MD	IB	0	99	48
966	SILVER SPRING	MONTGOMERY	MD	IB	14	45	0
967	SILVER SPRING	MONTGOMERY	MD	IB	0	45	48
968		BALTIMORE	MD	IB	0	188	48
969	BALTIMORE		MD	IB	0	25	48
970	BALTIMORE		MD	IB	-38	79	0
971	BALTIMORE		MD	IB	0	50	48
972	BALTIMORE		MD	IB	-39	100	0
973	BALTIMORE		MD	IB	0	78	48
974	BALTIMORE		MD	IB	23	15	0
975	BALTIMORE		MD	IB	0	15	48
976	BALTIMORE		MD	IB	-72	10	0
977	FREDERICK	FREDERICK	MD	IB	-46	55	0
978	FREDERICK	FREDERICK	MD	IB	-38	55	0
979	FREDERICK	FREDERICK	MD	IB	-3	119	0
980	FREDERICK	FREDERICK	MD	IB	0	75	48
981	FREDERICK	FREDERICK	MD	IB	0	110	48
982	FREDERICK	FREDERICK	MD	IB	8	119	0
983	SILVER SPRING	MONTGOMERY	MD	IB	66	35	40
984	SILVER SPRING	MONTGOMERY	MD	IB	0	35	40
985	ANNAPOLIS	ANNE ARUNDEL	MD	IB	15	119	0
986	DAMASCUS	MONTGOMERY	MD	IB	0	188	48
987	GERMANTOWN	MONTGOMERY	MD	IB	-56	200	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
988	WIL629	WILMERS COMMUNICATIONS INC	499.98750000	385430	0763426	SOUTH RIVER POLINGHOUSE RD
989	WIE916	DISTRICT OF COLUMBIA	494.33750000	385419	0770145	1221 M ST NW
990	WIE916	DISTRICT OF COLUMBIA	494.33750000	385419	0770145	1221 M ST NW
991	WIE917	DISTRICT OF COLUMBIA	494.96250000	385419	0770145	1221 M ST NW
992	WIE917	DISTRICT OF COLUMBIA	494.96250000	385419	0770145	1221 M ST NW
993	KMA675	DC DEPARTMENT OF TRANSPORTATION	495.43750000	385526	0770128	280 MC MIILLAN DR NW
994	KMA675	DC DEPARTMENT OF TRANSPORTATION	495.46250000	385526	0770128	280 MC MIILLAN DR NW
995	WPJL759	WASHINGTON EXPRESS SERVICES	495.48750000	385411	0770222	1050 CONNECTICUT AVE NW
996	WPJL759	WASHINGTON EXPRESS SERVICES	495.48750000	385536	0770424	2844 WISCONSIN AVE NW
997	WPJL759	WASHINGTON EXPRESS SERVICES	495.48750000	385512	0770239	1884 COLUMBIA RD NW
998	WPJL759	WASHINGTON EXPRESS SERVICES	495.51250000	385411	0770222	1050 CONNECTICUT AVE NW
999	WPJL759	WASHINGTON EXPRESS SERVICES	495.51250000	385536	0770424	2844 WISCONSIN AVE NW
1000	WPJL759	WASHINGTON EXPRESS SERVICES	495.51250000	385512	0770239	1884 COLUMBIA RD NW
1001	WPJL759	WASHINGTON EXPRESS SERVICES	495.56250000	385411	0770222	1050 CONNECTICUT AVE NW
1002	WPJL759	WASHINGTON EXPRESS SERVICES	495.56250000	385536	0770424	2844 WISCONSIN AVE NW
1003	WPJL759	WASHINGTON EXPRESS SERVICES	495.56250000	385512	0770239	1884 COLUMBIA RD NW
1004	WPJL759	WASHINGTON EXPRESS SERVICES	495.68750000	385411	0770222	1050 CONNECTICUT AVE NW
1005	WPJL759	WASHINGTON EXPRESS SERVICES	495.68750000	385536	0770424	2844 WISCONSIN AVE NW
1006	WPJL759	WASHINGTON EXPRESS SERVICES	495.68750000	385512	0770239	1884 COLUMBIA RD NW
1007	WPJL759	WASHINGTON EXPRESS SERVICES	495.73750000	385411	0770222	1050 CONNECTICUT AVE NW
1008	WPJL759	WASHINGTON EXPRESS SERVICES	495.73750000	385536	0770424	2844 WISCONSIN AVE NW
1009	WPJL759	WASHINGTON EXPRESS SERVICES	495.73750000	385512	0770239	1884 COLUMBIA RD NW
1010	WPJL759	WASHINGTON EXPRESS SERVICES	495.78750000	385411	0770222	1050 CONNECTICUT AVE NW
1011	WPJL759	WASHINGTON EXPRESS SERVICES	495.78750000	385536	0770424	2844 WISCONSIN AVE NW
1012	WPJL759	WASHINGTON EXPRESS SERVICES	495.78750000	385512	0770239	1884 COLUMBIA RD NW
1013	KLX875	LANDMARK SERVICES INC	495.81250000	384826	0770038	4660 M L KING AVE

Line	City	County	State	FCC Class	HAAT	Erp	Radius
988	HARWOOD	ANNE ARUNDEL	MD	IB	0	196	48
989	WASHINGTON		DC	PL	32	187	48
990	WASHINGTON		DC	PL	0	80	48
991	WASHINGTON		DC	PL	0	80	48
992	WASHINGTON		DC	PL	32	187	48
993	WASHINGTON		DC	PL	23	440	0
994	WASHINGTON		DC	PL	23	440	0
995	WASHINGTON		DC	IB	21	300	48
996	WASHINGTON		DC	IB	84	300	48
997	WASHINGTON		DC	IB	30	300	48
998	WASHINGTON		DC	IB	21	300	48
999	WASHINGTON		DC	IB	84	300	48
1000	WASHINGTON		DC	IB	30	300	48
1001	WASHINGTON		DC	IB	21	300	48
1002	WASHINGTON		DC	IB	84	300	48
1003	WASHINGTON		DC	IB	30	300	48
1004	WASHINGTON		DC	IB	21	300	48
1005	WASHINGTON		DC	IB	84	300	48
1006	WASHINGTON		DC	IB	30	300	48
1007	WASHINGTON		DC	IB	21	300	48
1008	WASHINGTON		DC	IB	84	300	48
1009	WASHINGTON		DC	IB	30	300	48
1010	WASHINGTON		DC	IB	21	300	48
1011	WASHINGTON		DC	IB	84	300	48
1012	WASHINGTON		DC	IB	30	300	48
1013	WASHINGTON		DC	IB	52	51	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
1014	WPKU617	CHAMPION COMMUNICATION SERVICES INC	495.81250000	385550	0770416	NATIONAL CATHEDRAL
1015	WPKU617	CHAMPION COMMUNICATION SERVICES INC	495.81250000	385550	0770416	NATIONAL CATHEDRAL
1016	WPKU629	CHAMPION COMMUNICATION SERVICES INC	495.91250000	385550	0770416	NATIONAL CATHEDRAL
1017	WPKU629	CHAMPION COMMUNICATION SERVICES INC	495.91250000	385550	0770416	NATIONAL CATHEDRAL
1018	WPKU497	CHAMPION COMMUNICATION SERVICES INC	495.96250000	385550	0770416	NATIONAL CATHEDRAL
1019	WPKU497	CHAMPION COMMUNICATION SERVICES INC	495.96250000	385550	0770416	NATIONAL CATHEDRAL
1020	KRT518	CAPITOL RADIO COMM INC	495.98750000	385609	0770429	WISCONSIN AVE 1/4 MI FROM MASS
1021	KRT518	CAPITOL RADIO COMM INC	495.98750000	385609	0770429	WISCONSIN AVE 1/4 MI FROM MASS
1022	WIF789	MOTORS INC	496.01250000	385538	0770426	2844 WISCONSIN
1023	WPJL759	WASHINGTON EXPRESS SERVICES	496.01250000	385411	0770222	1050 CONNECTICUT AVE NW
1024	WPJL759	WASHINGTON EXPRESS SERVICES	496.01250000	385536	0770424	2844 WISCONSIN AVE NW
1025	WPJL759	WASHINGTON EXPRESS SERVICES	496.01250000	385512	0770239	1884 COLUMBIA RD NW
1026	KNS213	AMERICAN BROADCASTING COMPANIES INC	496.03750000	385417	0770222	1717 DESALES ST
1027	KNS213	AMERICAN BROADCASTING COMPANIES INC	496.03750000	385417	0770222	1717 DESALES ST
1028	KNS213	AMERICAN BROADCASTING COMPANIES INC	496.03750000	385417	0770222	1717 DESALES ST
1029	WII902	INTELSAT	496.11250000	385633	0770348	3400 INTERNATIONAL DR NW
1030	WPKU611	CHAMPION COMMUNICATION SERVICES INC	496.13750000	385550	0770416	NATIONAL CATHEDRAL
1031	WPKU611	CHAMPION COMMUNICATION SERVICES INC	496.13750000	385550	0770416	NATIONAL CATHEDRAL
1032	WPJL759	WASHINGTON EXPRESS SERVICES	496.16250000	385411	0770222	1050 CONNECTICUT AVE NW
1033	WPJL759	WASHINGTON EXPRESS SERVICES	496.16250000	385536	0770424	2844 WISCONSIN AVE NW
1034	WPJL759	WASHINGTON EXPRESS SERVICES	496.16250000	385512	0770239	1884 COLUMBIA RD NW
1035	WPJL759	WASHINGTON EXPRESS SERVICES	496.18750000	385411	0770222	1050 CONNECTICUT AVE NW
1036	WPJL759	WASHINGTON EXPRESS SERVICES	496.18750000	385536	0770424	2844 WISCONSIN AVE NW
1037	WPJL759	WASHINGTON EXPRESS SERVICES	496.18750000	385512	0770239	1884 COLUMBIA RD NW
1038	WIJ687	ACTION COURIER SERVICE INC	496.21250000	385539	0770425	2844 WISCONSIN AVE NW
1039	WIJ687	ACTION COURIER SERVICE INC	496.21250000	385549	0770423	2844 WISCONSIN AVE NW

Line	City	County	State	FCC Class	HAAT	Erp	Radius
1014	WASHINGTON		DC	IB	143	250	48
1015	WASHINGTON		DC	IB	0	50	48
1016	WASHINGTON		DC	IB	143	250	48
1017	WASHINGTON		DC	IB	0	50	48
1018	WASHINGTON		DC	IB	143	250	48
1019	WASHINGTON		DC	IB	0	50	48
1020	WASHINGTON		DC	IB	84	199	48
1021	WASHINGTON		DC	IB	0	129	48
1022	WASHINGTON		DC	IB	91	319	48
1023	WASHINGTON		DC	IB	21	300	48
1024	WASHINGTON		DC	IB	84	300	48
1025	WASHINGTON		DC	IB	30	300	48
1026	WASHINGTON		DC	IB	36	100	16
1027	WASHINGTON		DC	IB	0	5	16
1028	WASHINGTON		DC	IB	0	10	16
1029	WASHINGTON		DC	IB	20	150	48
1030	WASHINGTON		DC	IB	143	250	48
1031	WASHINGTON		DC	IB	0	50	48
1032	WASHINGTON		DC	IB	21	300	48
1033	WASHINGTON		DC	IB	84	300	48
1034	WASHINGTON		DC	IB	30	300	48
1035	WASHINGTON		DC	IB	21	300	48
1036	WASHINGTON		DC	IB	84	300	48
1037	WASHINGTON		DC	IB	30	300	48
1038	WASHINGTON		DC	IB	0	67	48
1039	WASHINGTON		DC	IB	84	180	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
1040	WIL247	SCHINDLER CORPORATION	496.26250000	385538	0770426	2844 WISCONSIN AVE
1041	WIL247	SCHINDLER CORPORATION	496.26250000	385538	0770426	2844 WISCONSIN AVE
1042	WIL609	APPLE COURIER INC	496.28750000	385529	0770430	2702 WISCONSIN AVE NW
1043	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.33750000	385620	0770025	4300 HAREWOOD NE
1044	WIH312	IMPERIAL CAB COMPANY INC	496.36250000	385701	0770448	41 ST & WISCONSIN AVE
1045	WIH312	IMPERIAL CAB COMPANY INC	496.38750000	385701	0770448	41 ST & WISCONSIN AVE
1046	WII902	INTELSAT	496.41250000	385633	0770348	3400 INTERNATIONAL DR NW
1047	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.43750000	385620	0770025	4300 HAREWOOD NE
1048	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.46250000	385620	0770025	4300 HAREWOOD NE
1049	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.48750000	385620	0770025	4300 HAREWOOD NE
1050	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.51250000	385620	0770025	4300 HAREWOOD NE
1051	WIJ687	ACTION COURIER SERVICE INC	496.51250000	385539	0770425	2844 WISCONSIN AVE NW
1052	WIJ687	ACTION COURIER SERVICE INC	496.51250000	385539	0770425	2844 WISCONSIN AVE NW
1053	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.53750000	385620	0770025	4300 HAREWOOD NE
1054	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.56250000	385620	0770025	4300 HAREWOOD NE
1055	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.58750000	385620	0770025	4300 HAREWOOD NE
1056	KAJ734	WASHINGTON METRO AREA TRANSIT AUTHORITY	496.61250000	385620	0770025	4300 HAREWOOD NE
1057	WPKU608	CHAMPION COMMUNICATION SERVICES INC	496.66250000	385550	0770416	NATIONAL CATHEDRAL
1058	WPKU608	CHAMPION COMMUNICATION SERVICES INC	496.66250000	385550	0770416	NATIONAL CATHEDRAL
1059	WPJL759	WASHINGTON EXPRESS SERVICES	496.73750000	385411	0770222	1050 CONNECTICUT AVE NW
1060	WPJL759	WASHINGTON EXPRESS SERVICES	496.73750000	385536	0770424	2844 WISCONSIN AVE NW
1061	WPJL759	WASHINGTON EXPRESS SERVICES	496.73750000	385512	0770239	1884 COLUMBIA RD NW
1062	WPJL759	WASHINGTON EXPRESS SERVICES	496.91250000	385411	0770222	1050 CONNECTICUT AVE NW
1063	WPJL759	WASHINGTON EXPRESS SERVICES	496.91250000	385536	0770424	2844 WISCONSIN AVE NW
1064	WPJL759	WASHINGTON EXPRESS SERVICES	496.91250000	385512	0770239	1884 COLUMBIA RD NW
1065	WII614	HINES INTERESTS LIMITED PARTNERSHIP	496.96250000	385349	0770145	555 13TH ST NW

Line	City	County	State	FCC Class	HAAT	Erp	Radius
1040	WASHINGTON		DC	IB	91	319	48
1041	WASHINGTON		DC	IB	0	150	48
1042	WASHINGTON		DC	IB	39	90	48
1043	WASHINGTON		DC	LU	22	500	0
1044	WASHINGTON		DC	LX	111	62	48
1045	WASHINGTON		DC	LX	111	62	48
1046	WASHINGTON		DC	IB	20	150	48
1047	WASHINGTON		DC	LU	22	500	0
1048	WASHINGTON		DC	LU	22	500	0
1049	WASHINGTON		DC	LU	22	500	0
1050	WASHINGTON		DC	LU	22	500	0
1051	WASHINGTON		DC	IB	79	750	48
1052	WASHINGTON		DC	IB	0	141	48
1053	WASHINGTON		DC	LU	22	500	0
1054	WASHINGTON		DC	LU	22	500	0
1055	WASHINGTON		DC	LU	22	500	0
1056	WASHINGTON		DC	LU	22	500	0
1057	WASHINGTON		DC	IB	143	250	48
1058	WASHINGTON		DC	IB	0	50	48
1059	WASHINGTON		DC	IB	21	300	48
1060	WASHINGTON		DC	IB	84	300	48
1061	WASHINGTON		DC	IB	30	300	48
1062	WASHINGTON		DC	IB	21	300	48
1063	WASHINGTON		DC	IB	84	300	48
1064	WASHINGTON		DC	IB	30	300	48
1065	WASHINGTON		DC	IB	5	90	40

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
1066	WIE916	DISTRICT OF COLUMBIA	497.33750000	385419	0770145	1221 M ST NW
1067	WIE917	DISTRICT OF COLUMBIA	497.96250000	385419	0770145	1221 M ST NW
1068	WPJL759	WASHINGTON EXPRESS SERVICES	498.48750000	385411	0770222	1050 CONNECTICUT AVE NW
1069	WPJL759	WASHINGTON EXPRESS SERVICES	498.48750000	385536	0770424	2844 WISCONSIN AVE NW
1070	WPJL759	WASHINGTON EXPRESS SERVICES	498.48750000	385512	0770239	1884 COLUMBIA RD NW
1071	WPJL759	WASHINGTON EXPRESS SERVICES	498.51250000	385411	0770222	1050 CONNECTICUT AVE NW
1072	WPJL759	WASHINGTON EXPRESS SERVICES	498.51250000	385536	0770424	2844 WISCONSIN AVE NW
1073	WPJL759	WASHINGTON EXPRESS SERVICES	498.51250000	385512	0770239	1884 COLUMBIA RD NW
1074	WPJL759	WASHINGTON EXPRESS SERVICES	498.56250000	385411	0770222	1050 CONNECTICUT AVE NW
1075	WPJL759	WASHINGTON EXPRESS SERVICES	498.56250000	385536	0770424	2844 WISCONSIN AVE NW
1076	WPJL759	WASHINGTON EXPRESS SERVICES	498.56250000	385512	0770239	1884 COLUMBIA RD NW
1077	WPJL759	WASHINGTON EXPRESS SERVICES	498.68750000	385411	0770222	1050 CONNECTICUT AVE NW
1078	WPJL759	WASHINGTON EXPRESS SERVICES	498.68750000	385536	0770424	2844 WISCONSIN AVE NW
1079	WPJL759	WASHINGTON EXPRESS SERVICES	498.68750000	385512	0770239	1884 COLUMBIA RD NW
1080	WPJL759	WASHINGTON EXPRESS SERVICES	498.73750000	385411	0770222	1050 CONNECTICUT AVE NW
1081	WPJL759	WASHINGTON EXPRESS SERVICES	498.73750000	385536	0770424	2844 WISCONSIN AVE NW
1082	WPJL759	WASHINGTON EXPRESS SERVICES	498.73750000	385512	0770239	1884 COLUMBIA RD NW
1083	WPJL759	WASHINGTON EXPRESS SERVICES	498.78750000	385411	0770222	1050 CONNECTICUT AVE NW
1084	WPJL759	WASHINGTON EXPRESS SERVICES	498.78750000	385536	0770424	2844 WISCONSIN AVE NW
1085	WPJL759	WASHINGTON EXPRESS SERVICES	498.78750000	385512	0770239	1884 COLUMBIA RD NW
1086	KV3846	LANDMARK SERVICES INC	498.81250000			
1087	KV3846	LANDMARK SERVICES INC	498.81250000			
1088	WPKU617	CHAMPION COMMUNICATION SERVICES INC	498.81250000	385550	0770416	NATIONAL CATHEDRAL
1089	WPKU617	CHAMPION COMMUNICATION SERVICES INC	498.81250000	385550	0770416	NATIONAL CATHEDRAL
1090	WPKU629	CHAMPION COMMUNICATION SERVICES INC	498.91250000	385550	0770416	NATIONAL CATHEDRAL
1091	WPKU629	CHAMPION COMMUNICATION SERVICES INC	498.91250000	385550	0770416	NATIONAL CATHEDRAL

Line	City	County	State	FCC Class	HAAT	Erp	Radius
1066	WASHINGTON		DC	PL	0	80	48
1067	WASHINGTON		DC	PL	0	80	48
1068	WASHINGTON		DC	IB	0	45	48
1069	WASHINGTON		DC	IB	0	45	48
1070	WASHINGTON		DC	IB	0	45	48
1071	WASHINGTON		DC	IB	0	45	48
1072	WASHINGTON		DC	IB	0	45	48
1073	WASHINGTON		DC	IB	0	45	48
1074	WASHINGTON		DC	IB	0	45	48
1075	WASHINGTON		DC	IB	0	45	48
1076	WASHINGTON		DC	IB	0	45	48
1077	WASHINGTON		DC	IB	0	45	48
1078	WASHINGTON		DC	IB	0	45	48
1079	WASHINGTON		DC	IB	0	45	48
1080	WASHINGTON		DC	IB	0	45	48
1081	WASHINGTON		DC	IB	0	45	48
1082	WASHINGTON		DC	IB	0	45	48
1083	WASHINGTON		DC	IB	0	45	48
1084	WASHINGTON		DC	IB	0	45	48
1085	WASHINGTON		DC	IB	0	45	48
1086			DC	IB	0	18	0
1087			DC	IB	0	51	0
1088	WASHINGTON		DC	IB	0	50	48
1089	WASHINGTON		DC	IB	0	50	48
1090	WASHINGTON		DC	IB	0	50	48
1091	WASHINGTON		DC	IB	0	50	48

Line	Call Sign	Licensor	Frequency	Latitude	Longitude	Transmitter Address
1092	WPKU497	CHAMPION COMMUNICATION SERVICES INC	498.96250000	385550	0770416	NATIONAL CATHEDRAL
1093	WPKU497	CHAMPION COMMUNICATION SERVICES INC	498.96250000	385550	0770416	NATIONAL CATHEDRAL
1094	KRT518	CAPITOL RADIO COMM INC	498.98750000	385609	0770429	WISCONSIN AVE 1/4 MI FROM MASS
1095	WIF789	MOTORS INC	499.01250000	385521	0765829	1801 ADAMS ST NE
1096	WIF789	MOTORS INC	499.01250000	385538	0770426	2844 WISCONSIN
1097	WPJL759	WASHINGTON EXPRESS SERVICES	499.01250000	385411	0770222	1050 CONNECTICUT AVE NW
1098	WPJL759	WASHINGTON EXPRESS SERVICES	499.01250000	385536	0770424	2844 WISCONSIN AVE NW
1099	WPJL759	WASHINGTON EXPRESS SERVICES	499.01250000	385512	0770239	1884 COLUMBIA RD NW
1100	WII902	INTELSAT	499.11250000	385633	0770348	3400 INTERNATIONAL DR NW
1101	WII902	INTELSAT	499.11250000	385633	0770348	3400 INTERNATIONAL DR NW
1102	WPKU611	CHAMPION COMMUNICATION SERVICES INC	499.13750000	385550	0770416	NATIONAL CATHEDRAL
1103	WPKU611	CHAMPION COMMUNICATION SERVICES INC	499.13750000	385550	0770416	NATIONAL CATHEDRAL
1104	WPJL759	WASHINGTON EXPRESS SERVICES	499.16250000	385411	0770222	1050 CONNECTICUT AVE NW
1105	WPJL759	WASHINGTON EXPRESS SERVICES	499.16250000	385536	0770424	2844 WISCONSIN AVE NW
1106	WPJL759	WASHINGTON EXPRESS SERVICES	499.16250000	385512	0770239	1884 COLUMBIA RD NW
1107	WPJL759	WASHINGTON EXPRESS SERVICES	499.18750000	385411	0770222	1050 CONNECTICUT AVE NW
1108	WPJL759	WASHINGTON EXPRESS SERVICES	499.18750000	385536	0770424	2844 WISCONSIN AVE NW
1109	WPJL759	WASHINGTON EXPRESS SERVICES	499.18750000	385512	0770239	1884 COLUMBIA RD NW
1110	WIJ687	ACTION COURIER SERVICE INC	499.21250000	385539	0770425	2844 WISCONSIN AVE NW
1111	WIL247	SCHINDLER CORPORATION	499.26250000	385538	0770426	2844 WISCONSIN AVE
1112	WIL609	APPLE COURIER INC	499.28750000	385529	0770430	2702 WISCONSIN AVE NW
1113	WIL609	APPLE COURIER INC	499.28750000	385330	0770330	3401 K ST NW
1114	KGD810	GENSTAR STONE PRODUCTS COMPANY	499.31250000	385702	0765958	611 EMERSON NE
1115	KGD810	GENSTAR STONE PRODUCTS COMPANY	499.31250000	385214	0770031	1/2 & O ST SE
1116	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	385233	0770032	17 M ST SE
1117	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	385233	0770032	17 M ST SE

Line	City	County	State	FCC Class	HAAT	Erp	Radius
1092	WASHINGTON		DC	IB	0	50	48
1093	WASHINGTON		DC	IB	0	50	48
1094	WASHINGTON		DC	IB	0	129	48
1095	WASHINGTON		DC	IB	-23	112	0
1096	WASHINGTON		DC	IB	0	84	48
1097	WASHINGTON		DC	IB	0	45	48
1098	WASHINGTON		DC	IB	0	45	48
1099	WASHINGTON		DC	IB	0	45	48
1100	WASHINGTON		DC	IB	20	75	48
1101	WASHINGTON		DC	IB	0	23	48
1102	WASHINGTON		DC	IB	0	50	48
1103	WASHINGTON		DC	IB	0	50	48
1104	WASHINGTON		DC	IB	0	45	48
1105	WASHINGTON		DC	IB	0	45	48
1106	WASHINGTON		DC	IB	0	45	48
1107	WASHINGTON		DC	IB	0	45	48
1108	WASHINGTON		DC	IB	0	45	48
1109	WASHINGTON		DC	IB	0	45	48
1110	WASHINGTON		DC	IB	0	67	48
1111	WASHINGTON		DC	IB	0	150	48
1112	WASHINGTON		DC	IB	0	4	48
1113	WASHINGTON		DC	IB	-40	30	0
1114	WASHINGTON		DC	IS	15	120	0
1115	WASHINGTON		DC	IS	26	120	0
1116	WASHINGTON		DC	LU	-38	119	0
1117	WASHINGTON		DC	LU	-38	119	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
1118	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	385729	0770510	5230 WISCONSIN AVE NW
1119	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.33750000	385729	0770510	5230 WISCONSIN AVE NW
1120	WIH312	IMPERIAL CAB COMPANY INC	499.36250000	385701	0770448	41 ST & WISCONSIN AVE
1121	WIH312	IMPERIAL CAB COMPANY INC	499.38750000	385701	0770448	41 ST & WISCONSIN AVE
1122	WII902	INTELSAT	499.41250000	385633	0770348	3400 INTERNATIONAL DR NW
1123	WII902	INTELSAT	499.41250000	385633	0770348	3400 INTERNATIONAL DR NW
1124	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	385233	0770032	17 M ST SE
1125	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	385233	0770032	17 M ST SE
1126	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	385729	0770510	5230 WISCONSIN AVE NW
1127	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.43750000	385729	0770510	5230 WISCONSIN AVE NW
1128	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	385233	0770032	17 M ST SE
1129	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	385233	0770032	17 M ST SE
1130	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	385729	0770510	5230 WISCONSIN AVE NW
1131	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.46250000	385729	0770510	5230 WISCONSIN AVE NW
1132	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	385233	0770032	17 M ST SE
1133	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	385233	0770032	17 M ST SE
1134	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	385729	0770510	5230 WISCONSIN AVE NW
1135	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.48750000	385729	0770510	5230 WISCONSIN AVE NW
1136	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	385233	0770032	17 M ST SE
1137	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	385233	0770032	17 M ST SE
1138	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	385729	0770510	5230 WISCONSIN AVE NW
1139	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.51250000	385729	0770510	5230 WISCONSIN AVE NW
1140	WIJ687	ACTION COURIER SERVICE INC	499.51250000	385539	0770425	2844 WISCONSIN AVE NW
1141	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	385233	0770032	17 M ST SE
1142	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	385233	0770032	17 M ST SE
1143	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	385729	0770510	5230 WISCONSIN AVE NW

Line	City	County	State	FCC Class	HAAT	Erp	Radius
1118	WASHINGTON		DC	LU	20	119	0
1119	WASHINGTON		DC	LU	20	119	0
1120	WASHINGTON		DC	LX	0	40	48
1121	WASHINGTON		DC	LX	0	40	48
1122	WASHINGTON		DC	IB	20	75	48
1123	WASHINGTON		DC	IB	0	23	48
1124	WASHINGTON		DC	LU	-38	119	0
1125	WASHINGTON		DC	LU	-38	119	0
1126	WASHINGTON		DC	LU	20	119	0
1127	WASHINGTON		DC	LU	20	119	0
1128	WASHINGTON		DC	LU	-38	119	0
1129	WASHINGTON		DC	LU	-38	119	0
1130	WASHINGTON		DC	LU	20	119	0
1131	WASHINGTON		DC	LU	20	119	0
1132	WASHINGTON		DC	LU	-38	119	0
1133	WASHINGTON		DC	LU	-38	119	0
1134	WASHINGTON		DC	LU	20	119	0
1135	WASHINGTON		DC	LU	20	119	0
1136	WASHINGTON		DC	LU	-38	119	0
1137	WASHINGTON		DC	LU	-38	119	0
1138	WASHINGTON		DC	LU	20	119	0
1139	WASHINGTON		DC	LU	20	119	0
1140	WASHINGTON		DC	IB	0	141	48
1141	WASHINGTON		DC	LU	-38	119	0
1142	WASHINGTON		DC	LU	-38	119	0
1143	WASHINGTON		DC	LU	20	119	0

Line	Call Sign	Licensee	Frequency	Latitude	Longitude	Transmitter Address
1144	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.53750000	385729	0770510	5230 WISCONSIN AVE NW
1145	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	385233	0770032	17 M ST SE
1146	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	385233	0770032	17 M ST SE
1147	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	385729	0770510	5230 WISCONSIN AVE NW
1148	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.56250000	385729	0770510	5230 WISCONSIN AVE NW
1149	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	385233	0770032	17 M ST SE
1150	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	385233	0770032	17 M ST SE
1151	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	385729	0770510	5230 WISCONSIN AVE NW
1152	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.58750000	385729	0770510	5230 WISCONSIN AVE NW
1153	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	385233	0770032	17 M ST SE
1154	WDD483	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	385233	0770032	17 M ST SE
1155	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	385729	0770510	5230 WISCONSIN AVE NW
1156	WDD486	WASHINGTON METRO AREA TRANSIT AUTHORITY	499.61250000	385729	0770510	5230 WISCONSIN AVE NW
1157	WPKU608	CHAMPION COMMUNICATION SERVICES INC	499.66250000	385550	0770416	NATIONAL CATHEDRAL
1158	WPKU608	CHAMPION COMMUNICATION SERVICES INC	499.66250000	385550	0770416	NATIONAL CATHEDRAL
1159	WPJL759	WASHINGTON EXPRESS SERVICES	499.73750000	385411	0770222	1050 CONNECTICUT AVE NW
1160	WPJL759	WASHINGTON EXPRESS SERVICES	499.73750000	385536	0770424	2844 WISCONSIN AVE NW
1161	WPJL759	WASHINGTON EXPRESS SERVICES	499.73750000	385512	0770239	1884 COLUMBIA RD NW
1162	WPJL759	WASHINGTON EXPRESS SERVICES	499.91250000	385411	0770222	1050 CONNECTICUT AVE NW
1163	WPJL759	WASHINGTON EXPRESS SERVICES	499.91250000	385536	0770424	2844 WISCONSIN AVE NW
1164	WPJL759	WASHINGTON EXPRESS SERVICES	499.91250000	385512	0770239	1884 COLUMBIA RD NW
1165	WII614	HINES INTERESTS LIMITED PARTNERSHIP	499.96250000	385349	0770145	555 13TH ST NW

Line	City	County	State	FCC Class	HAAT	Erp	Radius
1144	WASHINGTON		DC	LU	20	119	0
1145	WASHINGTON		DC	LU	-38	119	0
1146	WASHINGTON		DC	LU	-38	119	0
1147	WASHINGTON		DC	LU	20	119	0
1148	WASHINGTON		DC	LU	20	119	0
1149	WASHINGTON		DC	LU	-38	119	0
1150	WASHINGTON		DC	LU	-38	119	0
1151	WASHINGTON		DC	LU	20	119	0
1152	WASHINGTON		DC	LU	20	119	0
1153	WASHINGTON		DC	LU	-38	119	0
1154	WASHINGTON		DC	LU	-38	119	0
1155	WASHINGTON		DC	LU	20	119	0
1156	WASHINGTON		DC	LU	20	119	0
1157	WASHINGTON		DC	IB	0	50	48
1158	WASHINGTON		DC	IB	0	50	48
1159	WASHINGTON		DC	IB	0	45	48
1160	WASHINGTON		DC	IB	0	45	48
1161	WASHINGTON		DC	IB	0	45	48
1162	WASHINGTON		DC	IB	0	45	48
1163	WASHINGTON		DC	IB	0	45	48
1164	WASHINGTON		DC	IB	0	45	48
1165	WASHINGTON		DC	IB	0	5	40

EXHIBIT 2

LINES ON EXHIBIT 1
VIRGINIA LICENSES
(205 Licenses)

Integral part of metropolitan area
(166 Licenses)

Counties: Arlington, Fairfax and Prince William (portions);
Cities: Alexandria, Arlington, Centerville, Fairfax, Falls
Church, Lorton, Manassas, McLean, Rosslyn, Tyson's Corner and
Vienna; Virginia part of Washington Metro Area Transit Authority:
All lines 1-205 except lines listed below.

Outlying areas except Winchester area
(17 Licenses)

Haymarket: 59, 60, 75, 76, 181, 203

Leesburg area including Ashburn, Purcellville and Waterford as
well as Leesburg: Lines 74, 83, 91, 189, 194, 204 and 205.

Middleburg: Lines 85 and 87.

Warrenton area consisting of Warrenton and Bealeton: Lines 184
and 185.

Winchester area
(22 Licenses)

Winchester including Bluemont and Berryville as well as
Winchester: Lines 11-15, 18, 62-66, 82, 84, 86, 88-90, 96, 190-
193.

EXHIBIT 3

ENGINEERING STATEMENT

IN SUPPORT OF COMMENTS IN RESPONSE TO

FCC MASS MEDIA BUREAU'S OPPOSITION TO
SUPPLEMENT TO JOINT PETITION FOR APPROVAL OF
SETTLEMENT AGREEMENT FOR LEAVE TO
AMEND APPLICATION AND FOR
IMMEDIATE GRANT OF CONSTRUCTION PERMIT

ACHERNAR BROADCASTING COMPANY
LINDSAY TELEVISION, INC.

PROPOSED NEW UHF FULL SERVICE TELEVISION

CHARLOTTESVILLE, VIRGINIA

JULY 1998

**ENGINEERING STATEMENT
IN SUPPORT OF COMMENTS IN RESPONSE TO

FCC MASS MEDIA BUREAU'S OPPOSITION TO
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*ACHERNAR BROADCASTING COMPANY
LINDSAY TELEVISION, INC.*

**PROPOSED NEW UHF FULL SERVICE TELEVISION
CHARLOTTESVILLE, VIRGINIA**

JULY 1998

SUMMARY

The following engineering statement has been prepared on behalf of **Achernar Broadcasting, Inc. and Lindsay Televison, Inc. ("Applicants")**, joint applicants for a new full service UHF TV station at Charlottesville, Virginia. On July 1, 1998, the Mass Media Bureau filed an Opposition to the **Applicants'** request for approval of Settlement Agreement and for Leave to Amend to specify NTSC operation on Channel 19 rather than the originally specified Channel 64. The basis for the Bureau's opposition is that the application proposes use of Channel 19 at a transmitter site location which violates a distance separation standard developed in 1970 concerning Land Mobile stations operating on UHF Channel 18 in the Washington, D.C. area, Land Mobile Use of TV Channels, 23 FCC 2d 325, 343 (1970). The purpose of this analysis is to address the Bureau's Opposition in terms of the current regulatory environment, current technology, and the public interest benefits associated with grant of the proposed facility as amended.

PUBLIC INTEREST BENEFIT

Grant of the **Applicants'** proposed full service UHF TV facility would be in the public interest as the area within the proposed 64 dBu Grade B contour is underserved in two respects:

1. *Figure 1* depicts the proposed Channel 19 64 dBu contour (there is no discernable difference between the Channel 64 and Channel 19 proposed 64 dBu contours) in relation

to the Grade B contours of all other stations whose transmitter sites are located within 120 kM and are commercial facilities. Examination of Figure 1 shows a large area west and southwest of the site without a full service commercial signal. The unserved area encompasses 1,986 square kilometers and 18,612 persons.

2. Figure 2 depicts the proposed Channel 19 64 dBu contour in relation to the Grade B contours of all commercial and noncommercial full service TV stations within 120 kM of the proposed site location. Even with NCE services included, it is noted that an area of 166 square kilometers and 1,030 persons will receive a new second video service from the proposed Charlottesville facility.

The 120 kM radius selected was considered appropriate given the rough and irregular nature of the terrain in western Virginia.

CURRENT LAND MOBILE UHF SHARING and REGULATORY ISSUES

It must be noted that the **Applicants** are proposing Channel 19 in response to the Commission's reallocation of Channel 64 (770-776 MHz) to the fixed and mobile services for Public Safety use on an exclusive basis. If it were not for this action by the Commission, the **Applicants** would most likely have already received a CP for Channel 64 NTSC operation. Channel 19 is the only frequency available to the **Applicants** which meets the DTV and NTSC protection criteria in the FCC Rules and Regulations, Part 73. It will be demonstrated that the **Applicants'** proposed use of Channel 19 is not inconsistent with its adjacent channel location to land mobile Channel 18 in view of the current regulatory climate, and FCC actions, concerning UHF/Land Mobile Sharing.

In paragraph 40 of the R&O it is stated that the Commission does not wish to summarily terminate pending applications and will provide an opportunity to amend to seek a channel below Channel 60. Here, the **Applicants** know that only one frequency is available and seek the relief which the Commission stated it was interested in providing. Paragraph 40 also states that waiver of the freeze

in the metropolitan areas will be considered on a case by case basis and that is the relief sought by **Applicants** herein.

Also of importance in ET Docket No. 97-157 R&O is the fact that, in paragraph 18, the FCC set no technical standards for LM sharing with digital UHF TV stating only that sharing is feasible and will be developed in the future. Reference is made to WT Docket No. 96-86, Second Notice, released October 24, 1997.

WT Docket No. 96-86, Second Notice, released October 24, 1997, paragraphs 228-240, discusses the issue of Land Mobile UHF sharing. The tenor of this NPRM is one of "...a variety of approaches and criteria for protecting TV broadcasting ...", paragraph 232. It is stated that in the Commission's 1985 Action in General Docket No. 85-172 (see paragraph 231 of Docket No. 96-86), comments concerning whether the FCC should change the O dB D/U signal ratio for adjacent channel TV stations were requested and that a final decision on this matter was held in abeyance pending completion of the DTV proceeding.

In the MO&O On Reconsideration of the Sixth Report & Order, MM Docket No 87-268, released 2-23-98, paragraph 130, the Commission states that the NTSC TV 230 km first adjacent channel separation requirement for Land Mobile is conservative.

In paragraph 152, of Sixth R&O released 4-21-97 it is stated, "We also noted that some additional conditions may be necessary in those few instances where these spacing distances cannot be met. In footnote 275 the current "practice" for NTSC adjacent channel LM to UHF TV separation of 230 km is addressed and it is stated that LM protection to DTV sites as close as 176 km first adjacent is feasible due to the lower power anticipated to be used by DTV facilities. This clearly exhibits a willingness by the Commission to consider spacing requirements other than those developed in the 1970 Docket.

The Commission has shown a willingness to go forward with lesser protection standards, not only in the cases cited above, but also in the following cases as well:

In ET Docket No. 95-177, R&O released 10-20-97, the Commission amended Part 15 of the Rules to allow biomedical telemetry devices on Channels 7-13 and 14-46. There were specific changes in the Rules to provide for protection to TV stations but no standards for protection to LM facilities although LM was mentioned in the Rules as requiring protection.

The final, and probably the most applicable case of LM UHF distance separation relaxation is found in the matter of “Waiver of Parts 2 and 90 of the Commission’s Rules to Permit New York Metropolitan Area Public Safety Agencies to Use Frequencies at 482-488 mHz on a Conditional Basis” 77 RR 2d 584, 586 [1995], wherein the Commission set significant precedents:

1. Land Mobile stations were authorized with a maximum ERP of 225 watts and a HAAT of 500 feet inside the Grade B contour of LPTV facility W17BM (now WEBR-LP). This operation was promoted by the sponsoring agencies as having little likelihood of interference to the TV station and such interference would be insignificant and transient in nature. Further, it was stated that any adjacent channel interference to Land Mobile facilities could be eliminated by engineering solutions.
2. Full service TV station WPHL, Channel 17, Philadelphia, Pennsylvania, was addressed by stating that LM 225 watt, 500 foot HAAT facilities would be no closer than 8 km to the WPHL 64 dBu contour. More specifically, the distance separation requirements in this case are in full accordance with **Applicants’** proposed use. The LM reference coordinates for Channel 16 in New York City are 132.3 km distant from the transmitter site of first adjacent channel, full service, facility WPHL in Philadelphia. Here, the Charlottesville **Applicants’** site is located 163.6 km from the adjacent Channel 18 LM coordinates.

LAND MOBILE UHF SHARING - TECHNICAL ISSUES

Since 1970, the Land Mobile service has seen significant growth and experienced significant technical changes which are touched upon in the Second Notice of Proposed Rulemaking, WT Docket No. 96-86. Changes in technology include a reduction in occupied bandwidth, superior filtering in transmitter and receiver products, installation of outboard bandpass and reject filters to prevent intermod products, more attention to proper antenna spacing on towers at multi-use sites, and new modulation techniques. These technological changes lessen the opportunity for interference from Land Mobile stations to UHF TV and vice versa. Further, based on affiant's experience in the northeast, as more LM facilities are built, area frequency coordinators find it necessary to limit the ERP/HAAT to prevent interference between individual LM operators.

On the UHF TV side, recent changes in technology associated with the development of DTV allow greater levels of adjacent channel signal attenuation. New filter designs have been implemented for the case of adjacent channel NTSC and DTV operation. The use of additional external filtering equipment, such as that developed for adjacent channel NTSC/DTV operation, will allow UHF TV station operation in closer proximity to Land Mobile stations than ever before without interference. The **Applicants** are willing to install equipment of this type as a condition of a Channel 19 CP grant.

LAND MOBILE - CHANNEL 18 AND CHANNEL 19 SHARING

Figure 3 is a map showing LM base stations within 50 air miles of the Washington, DC reference coordinates and their respective 39 dBu F(50,50) service contours. Figure 4 depicts the **Applicants'** 64 dBu contour overlay and LM stations from Figure 3 in proximity to the 64 dBu contour. It is noted that mobile units will be located inside the 39 dBu contour of their associated base station. In the decades of LM development that have passed it is interesting that only two LM facility applications have base station 39 dBu contours which overlap the proposed 64 dBu contour and these are recent applications as found in the FCC LM database. Based on this analysis, it is believed correct to state that the Channel 19 proposed TV facility will have no impact on existing LM Channel 18 operations, nor should the proposed facility have an impact on potential LM facilities.

It is noted by the dense distribution of services in Washington, DC and Baltimore, and light distribution of services on the edge of the 50 mile radius, (*Figure 3*), that there would appear to be ample growth room for LM facilities on Channel 18.

Review of the June 1998 FCC LM data reveals that stations in close proximity to the proposed Channel 19 facility operate with low ERP/HAAT combinations. Operation with less than maximum facilities allowed by Part 90 is a result, in most areas, of control by regional frequency coordinators in an effort to minimize interference between LM users. Operation with lesser facilities mitigates in favor of a reduced LM to UHF TV adjacent channel separation requirement.

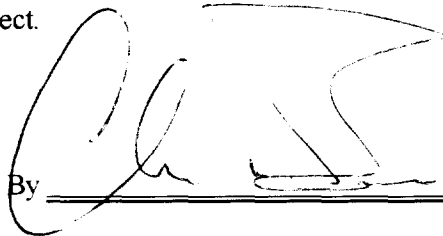
CONCLUSION

The **Applicants** respectfully request that a waiver of the Land Mobile UHF adjacent channel separation standards developed in 1970 be granted based on the following:

1. In the Sixth R&O MM Docket No. 87-268 (p. 163), the Commission reduced the adjacent channel UHF to LM separation from 225 km to 176 km indicating a desire to accommodate additional DTV allotments and consider further reduced separation requirements.
2. In the New York Metropolitan area case cited above, the Commission reduced the LM to first adjacent channel, full service TV, distance separation requirement to 132.3 kilometers. The **Applicants'** site is 163.6 kilometers from the Washington, DC LM reference coordinates. The additional 30 km distance would allow LM stations to operate with full facilities (See Table E of 93.309 of the FCC Rules).
3. **Applicants** agree to install such additional transmitter filtering as may be required or recommended to further protect adjacent channel LM operations on Channel 18.

4. Based on the LM analysis included herein it is believed that the proposed Channel 19 facility will not involve caused, or received, interference with LM facilities on Channel 18 and that any future interference is resolvable by use of suitable filtering techniques.

The foregoing was prepared on behalf of **Achernar Broadcasting, Inc. and Lindsay Televison, Inc.** by Clarence M. Beverage of *Communications Technologies, Inc.*, Marlton, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.

By  _____

Clarence M. Beverage
for Communications Technologies, Inc.
Marlton, New Jersey

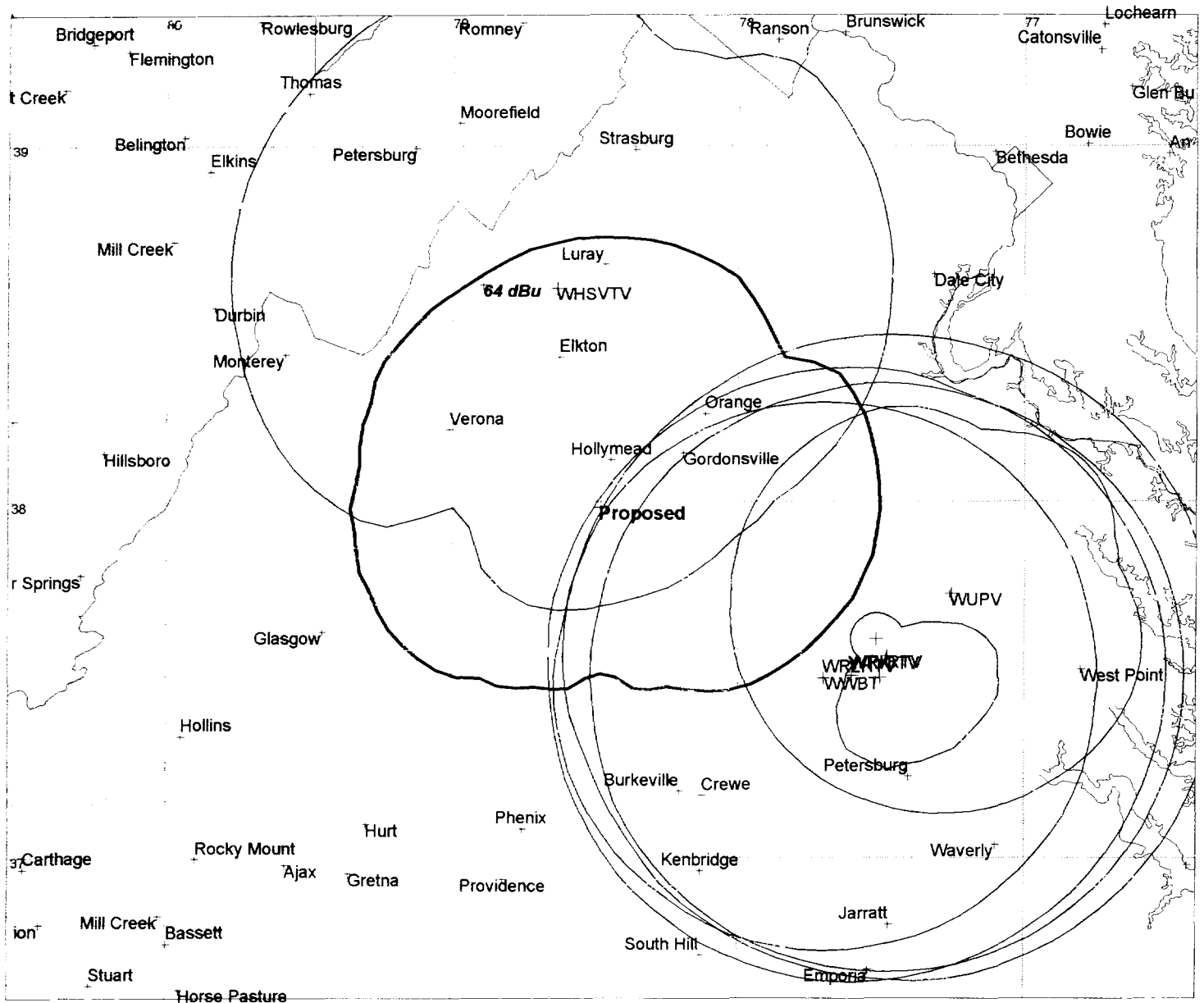
SUBSCRIBED AND SWORN TO before me,

this 24th day of July, 1998,

Esther G. Sperbeck NOTARY PUBLIC

ESTHER G. SPERBECK
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES OCT. 15, 2002

FIGURE 1 PROP. CH 19 & OTHER COMMERCIAL TV SIGNALS



Communications Technologies, Inc. Marlton, NJ July 1998

Scale 1:1900000

— TV Grade 'A'

— TV Grade 'B'

County Borders

— State Borders

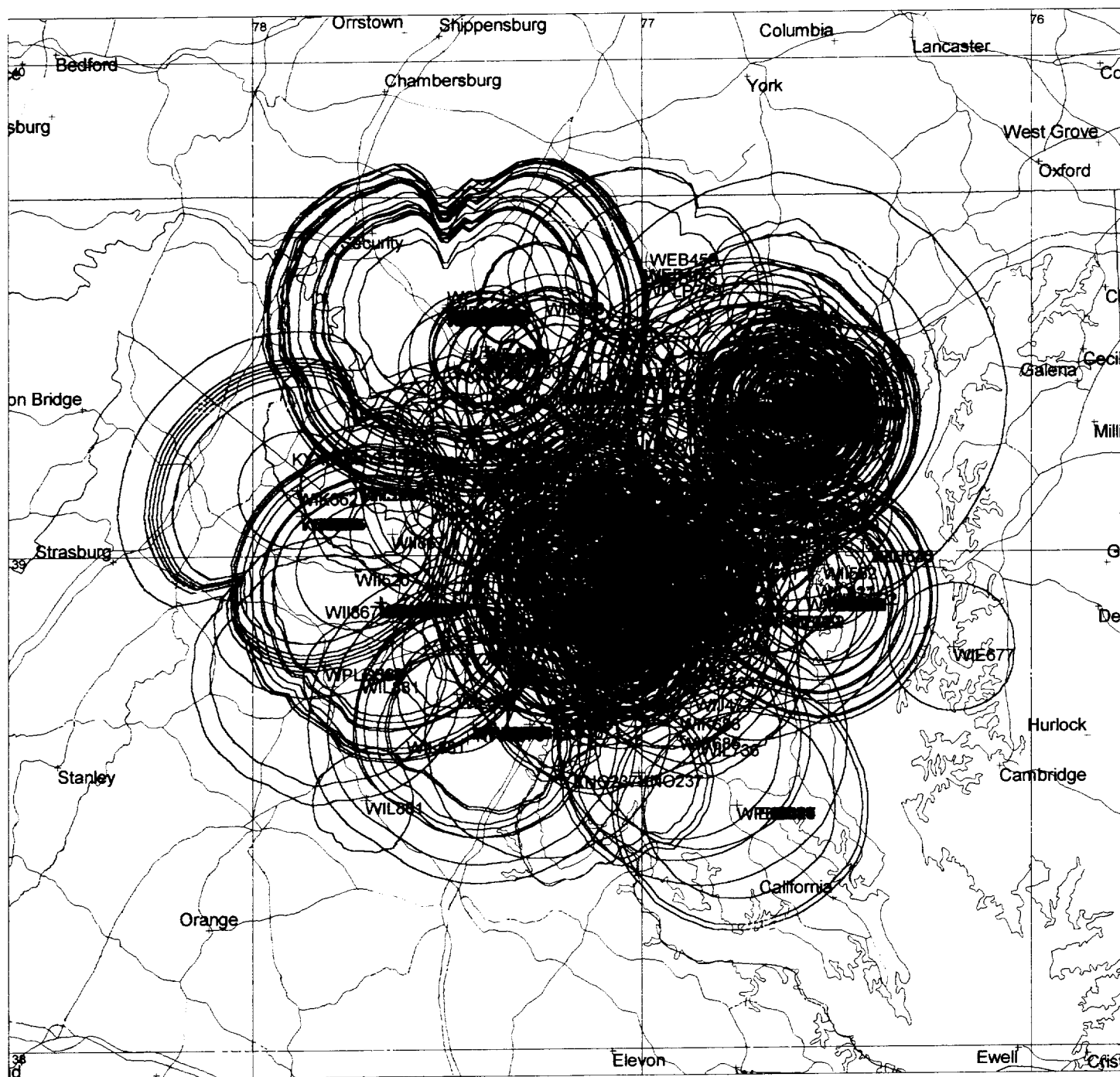
Lat-Lon Grids

50 Km

[illegible]

Lat-Lon Grids

FIGURE 3 Ch 18 LM Facilities within 50 mile radius of Washington, D.C.



Communications Technologies, Inc. Marlton, NJ 08053 July 1998

Scale 1:1300000

50 Km

— LM Service

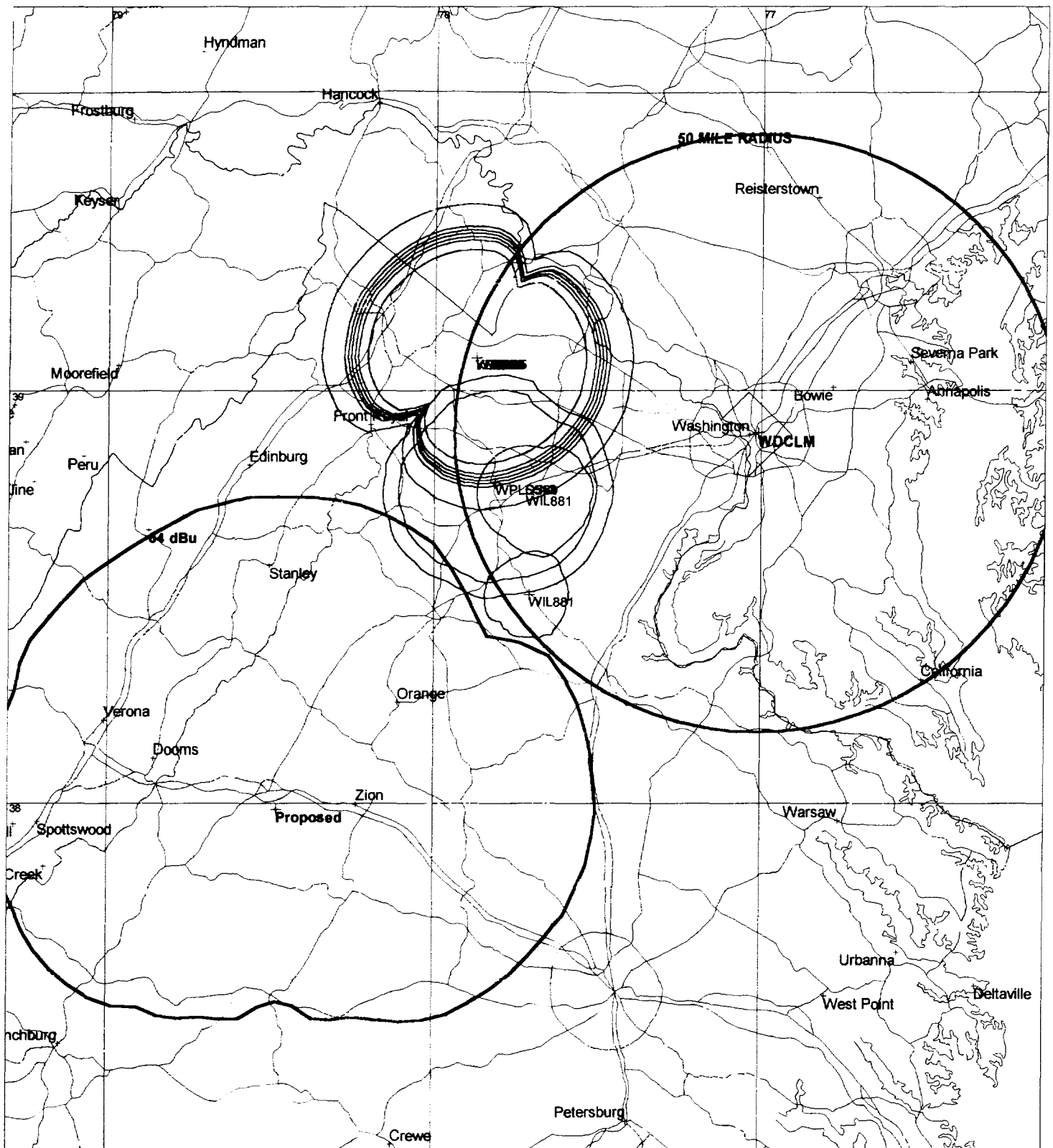
County Borders

Highways

State Borders

Lat-Lon Grids

FIGURE 4 Ch 19 64 dBu, LM 50 MILE RADIUS & NEARBY LM 39 dBu SIG.



Communications Technologies, Inc. Marlton, NJ 08053 July 1998

Scale 1:1500000

50 Km

— TV Grade 'B' — LM Service — County Borders — Highways — State Borders - - Lat-Lon Grids

EXHIBIT 4

FCC MAIL SECTION

Before the
Federal Communications Commission
Washington, D.C. 20554

DEC 23 2 56 PM '91

PR Docket No. 91-300

In the Matter of

Virginia Public Safety Plan

ORDER

Adopted: December 11, 1991; Released: December 20, 1991

By the Chief, Private Radio Bureau and the Chief Engineer:

1. On March 11, 1991, Region 42 (Virginia) submitted its public safety plan to the Commission for review. The plan sets forth the guidelines to be followed in allotting spectrum to meet current and future mobile communications requirements of the public safety and special emergency entities operating in Virginia. On September 20, 1991, Virginia filed revisions to the plan, based on conversations with the Commission's staff.

2. The Virginia plan was placed on Public Notice for comments on October 9, 1991, 56 FR 52549 (October 21, 1991). The Commission received no comments in this proceeding.

3. We have reviewed the plan submitted for Virginia and find that it conforms with the National Public Safety Plan. The plan includes all the necessary elements specified in the *Report and Order* in Gen. Docket No. 87-112, 3 FCC Rcd 905 (1987), and satisfactorily provides for the current and projected mobile communications requirements of the public safety and special emergency entities in Virginia.

4. Therefore, we accept the Virginia Public Safety Radio Plan. Furthermore, licensing of the 821-824/866-869 MHz band in Virginia may commence immediately.

FEDERAL COMMUNICATIONS COMMISSION

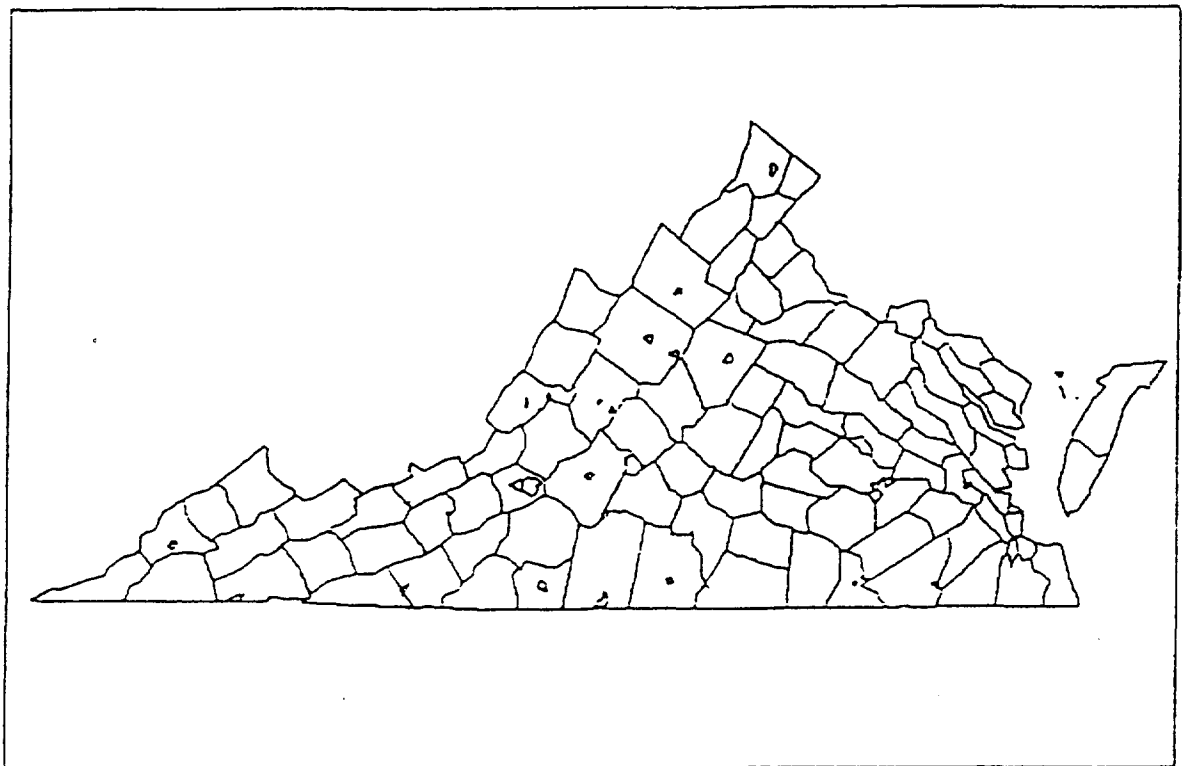
Ralph A. Haller
Chief, Private Radio Bureau

Thomas P. Stanley
Chief Engineer

PUBLIC SAFETY RADIO COMMUNICATIONS PLAN

- FOR REGION 42 -

STATE OF VIRGINIA
(EXCEPT NORTHERN VIRGINIA)



NATIONAL PLAN--REGION 42

Chairman:

Harry J. Miller

Commonwealth of Virginia

Department of Information Technology

110 S. Seventh Street

Richmond, Va 23219

804-344-5633

OPERATIONS COMMITTEE

Chairman:

James A. Copony

Department of Forestry

TECHNICAL COMMITTEE

Chairman:

Martin H. Barringer

Frederick G. Griffin, P.C.

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PUBLIC MEETING 3 ATTENDEES	
MISCELLANEOUS	

I. INTRODUCTION

This PLAN is that plan required to be developed and submitted for inclusion in the National Plan for Public Safety, as required under rules of the Federal Communications Commission adopted by Report and Order dated November 24, 1987 in GEN Docket No. 87-112, by Region 42, one of fifty-five such regions established by the same rules. Region 42 consists of the State of Virginia except for the counties of Arlington, Fairfax, Fauquier, Loudoun, Prince William, and Stafford, and the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park, which are contained within Region 20.

This regional plan, and by inclusion therein the national plan, contains procedures for allocating and assigning radio frequency channels in the 821-824 and 866-869 megahertz bands to eligible entities in the Public Safety and Special Emergency radio services. Provisions are included to ensure communications capabilities between agencies both within and outside the region who may be called upon to operate jointly in their public safety functions; to avoid to the greatest possible extent interference between agencies, including in particular provisions for utilization of frequencies in areas adjacent to neighboring planning regions (regions 17, Kentucky; 20, Northern Virginia, Maryland, and the District of Columbia; 31, North Carolina; 39, Tennessee; and 44, West Virginia). Other frequency bands are included in matters of frequency usage and "turn back" of abandoned frequencies, and ultimately the procedures outlined will become universal for all public safety and emergency frequency usage.

This plan has met all known needs within the region.

Harry J. Miller

Harry J. Miller, Region 42 Chairman

February 27, 1991

Date

Harry J. Miller 9-11-91

II. BACKGROUND

Following action in 1983 by the United States Congress directing the Federal Communications Commission (FCC) to ensure that the radio spectrum needs of public safety agencies would be met, the Commission in 1984 issued a Notice of Inquiry into the matter which resulted in 1986 in allocation of the previously mentioned frequency bands for public safety and emergency use. In a radical departure from any previous proceeding, however, the Commission stipulated that none of these frequencies would be assigned until a nationwide plan, to be developed by the public safety community itself, was in place which would ensure the orderly and efficient utilization of the new spectrum. To accomplish this end, the Commission established in late 1986 the National Public Safety Planning Advisory Committee (NPSPAC) to recommend a basis on which such a plan could be developed. NPSPAC was made up of several hundred members, drawn from all areas of the public safety community: police, fire, emergency response, forestry-conservation, and highway maintenance; state and local officials; representatives of communication equipment vendors, and consultants. Meeting throughout 1987, NPSPAC issued its final report to the Commission in September of that year, and the Commission followed shortly with rule making establishing the planning regions and the requirements for the content of the national plan.

In issuing its report, NPSPAC established two "firsts" for an FCC established advisory committee: the final report was submitted thirty days in advance of the mandated deadline; and its recommendations were unanimous among its members.

The major significance of the FCC action is this: the procedures and general philosophies through which frequencies have been allocated, assigned, and utilized by public safety and the Commission and its predecessors for sixty or more years are changed forever; no longer will haphazard and individual usage of spectrum be permitted; instead, assigned frequencies must conform to a regional public safety plan which in turn must conform to the national plan. Non-conforming requests will be denied; unplanned for frequencies will be withdrawn and reassigned. Public safety spectrum utilization in the '90's and into the next century will be on an orderly and integrated basis, with the mandated objectives of efficiency, effectiveness, and interoperability within and among systems.

III. ORGANIZATION AND PROCEDURES

An initial activity specified by the new rules was the certification to the Commission by the Associated Public-Safety Communications Officers, Inc. (APCO) of a Convenor for each region with the responsibility of convening a public meeting of all interested eligibles where a permanent regional committee chairman was to be elected and the basic ground rules for committee operation and plan development were to be established. This meeting was held in Richmond, Virginia on July 14, 1988; technical and operations sub-committees were organized and basic ideas were exchanged. A second open public meeting was held in Richmond on October 25, 1988 at which time a basic "philosophy" on which the numbers of channels were to be made available was presented and discussed and further plans made. A third meeting at which an initial draft of the regional plan was made available and discussed was held in Richmond.

The final Plan was approved and agreed upon by means of the following procedure:

A joint meeting of the technical and operations subcommittees was held prior to the third public meeting. This meeting developed a draft plan incorporating inputs from the two previous public meetings as well as those from the individual subcommittees. This draft plan was distributed as follows:

In person to the attendees of the two previous public meetings;

By mail to all attendees of the two previous public meetings;

To all parties from whom requests to be included in mailings had been received; and

To the Heads of Government of every political subdivision in the state (all cities and counties).

The distribution included an invitation for requests for additional copies of the draft. All recipients were given ample opportunity to submit comments or suggestions for modification prior to submission to the commission. (The only matter of significance which developed from this procedure was the question of federal agency operation on the five mandated interoperational channels. This was discussed with the commission and the results included in the Plan.) The final Plan was then reviewed again by the chairman and subcommittee chairmen prior to being submitted to the commission.

Minutes of the public meetings together with lists of attendees are included in Appendix B.

Acceptance of this Plan by the FCC marks the completion of the effort and purpose of the Regional Planning Committee. The final action of the Committee will be to establish a permanent organization and procedures to process applications for spectrum, to ensure that the objectives of the regional and national Plans are met, and to make the necessary modifications and amendments to the Plan as the necessity arises.

IV. CHANNEL ALLOCATION

Region 42 differs from many other planning regions in that there is presently no outstanding backlog of demand for channels in the 800 megahertz portion of the spectrum throughout the vast majority of the geographic area encompassed. It is therefore the philosophy of the regional planning committee that to specifically assign channels to prospective licensable entities would serve merely to repeat some of the fundamental spectrum usage planning errors which have contributed to the spectrum shortage situation. For example, it appears unwise to allocate channels for fire service use in City "A" when, in fact, City "A" may never have such a requirement, while at the same time County "B" needs channels for police use in the same geographic area and finds none available.

Fortunately, the governmental structure within the state provides a means of resolving this problem in a reasonable manner. Incorporated cities in Virginia have governments which are independent of the counties surrounding or adjacent to them, and therefore both the cities and the counties must provide all of the governmental services due to their citizens. Spectrum will, therefore, be allocated to these jurisdictions on the basis of population. Spectrum will also be allocated to the Commonwealth of Virginia for use by state government agencies. The Plan encourages entities to cooperate in developing and operating joint systems so as to ensure maximum utilization of funds and spectrum.

The intent of the plan is that maximum efficient use be made of the spectrum. To that end, the minimum number of channels necessary to meet communications requirements will be assigned and channels will be reused to the maximum extend practicable.

Spectrum will be allocated on the basis of one channel per 25,000 population (year 2000), with a minimum of three channels per jurisdiction (See Appendix A - Population Estimates for Virginia). The Commonwealth of Virginia will be assigned six channels in each of seven geographical areas of the State. Channels that are allocated are not necessarily assigned to that jurisdiction (See Appendix A - Channel Allocations and Unassigned Channel Pool).

V. APPLICATION PROCEDURES

All requests for 800 MHz frequencies to be used by entities eligible in Public Safety or Special Emergency Radio Services (described in Part 90 of the Federal Communications Commission's Rules and Regulations) within the boundaries of Region 42 must be submitted to the Region 42 Committee for approval.

All requests shall include the appropriate coordination and licensing application forms and the following items described in this section:

- System Engineering Requirements
- Proposed Service Area Exhibit
- Coverage Design Objectives
- Control Station Exhibit
- System Loading
- Frequency Reuse Statement
- Funding and Implementation
- Special Consideration

The applicant must also include the following statement:

"By signing this application, we certify that we understand and agree to abide by all applicable sections of the Region 42 Plan."

If appropriate spectrum is available, the request will be reviewed by the Committee for compliance with the Regional Plan. If approved by the Region 42 Committee, the request for frequencies will be given to the Associated Public-Safety Communications Officers (APCO) for frequency coordination. If not approved, the request will be returned to the applicant with a statement as to why the request was not approved (see Section VII B. Appeal Process).

A. SYSTEM ENGINEERING REQUIREMENTS

All requests to the Region 42 Committee for frequencies must include sufficient data for the Committee to be able to determine proposed system operating parameters.

The system engineering exhibit must show the following information:

1. Transmitter output power
2. Types of cavities, and filters and associated losses
3. Type of transmission line and associated loss (including jumpers)
4. Antenna radiation characteristics including gain and patterns
5. Ground elevation above mean sea level at each site
6. All antenna centerline AGL's
7. Height above average terrain of all antenna centerlines
8. Effective Radiated Powers as determined by items 1 through 4
9. Service Area Determination
10. Control Station(s) Information
11. Co-Channel Design Protection
12. Adjacent Channel Design Protection

B. PROPOSED SERVICE AREA EXHIBIT

An applicant shall provide, along with its requests of frequencies, an exhibit showing the calculated service area, methodology and assumptions used in determining the service area and the jurisdictional boundaries of the applicant. The boundaries must be drawn to scale on a 1:250,000 USGS map with title block including the name of the requesting agency, height above average terrain, effective radiated power, latitude, longitude, ground elevation of the transmitting site, and the distance to the service area boundary in miles, as calculated.

An additional exhibit showing the average elevation of the terrain of each of the eight main radials will be required. If an outside source is used for the calculation of average terrain, a copy of this report can be substituted for

the average elevation exhibit. (See FCC Rules and Regulations Section 90.309
(4)(2))

C. COVERAGE DESIGN OBJECTIVES

The normal design objective for a radio system shall be to provide a median signal level not exceeding 40 dBu at 95% of the locations along the boundary of the OSA. An increase of signal level above 40 dBu, or of coverage reliability above 95% will be allowed only upon engineering substantiation and justification. The use of signal strength measurements for substantiation is encouraged and may be required.

Applications must be accompanied by an engineering study showing that the coverage design objectives are not exceeded for the applicant's OSA. This study shall be based on the use of a standard accepted propagation model, providing propagation data along at least eight (8) evenly spaced radials from the transmitter site(s). Each radial shall extend a minimum of 1.5 miles beyond the OSA (Operational Service Area). Calculations using one or more of the following models will be considered acceptable:

- Free Space (only where applicable)
- Longley-Rice
- Okumura
- TIREM
- Lee
- CCIR

The February, 1988 issue of the IEEE Transactions on Vehicular Technology describes each of these models, and provides some guidelines for their use. Models substantially derived from these models are acceptable, providing that evidence of that derivation is presented. Models other than these may be acceptable provided an adequate engineering substantiation of their applicability is presented.

D. CONTROL STATION

Control stations shall employ directional antennas and shall limit effective radiated power such that the path reliability is no greater than 99.9%. Proposed control stations shall be located within the service area, unless documented proof is given showing that more power and/or additional station(s) out of the primary service are required for system access.

A list of proposed control station locations, including latitude, longitude, effective radiated power, and height of antenna above ground level shall be provided with the request for frequencies.

E. SYSTEM LOADING

Applicants must submit a statement showing the number of units (mobiles, portables and control stations) used in the system. The unit must be classified according to the following types of service the unit provide (partial units may be classified in different services but the total of all units listed must equal the total units in the system):

Local Government	Transit Systems
Local Government	School Boards
Local Government	Administration
Local Government	Facilities Maintenance
Local Government	Utility Operations
Local Government	Security Patrols
Local Government	Other Functions
Law Enforcement	
Fire	
Forest Fire Suppression	
Forestry/Conservation	
Highway Maintenance	
Medical Services	Hospitals
Medical Services	Invalid Coach
Medical Services	Physicians & Oral Surgeons
Rescue - Basic and Advanced Life Support	
Physically Handicapped	

Veterinarians
Disaster Relief Organization
School Buses Private Under Contract
School Buses Local Government-Operated
School Buses Part of EMA Evacuation Plan
Beach Patrols
Isolated Area Communications
Communications Standby Facilities
Repair of Communications Facilities

Systems that do not meet minimum loading standards shall be required to share channels on a non-exclusive basis. Those users requesting data-only channels may be required to share channels with adjacent users wherever feasible or limit coverage to their Operational Service Area (OSA). Exceptions will be considered on a case-by-case basis by the Region 42 Committee. Users requesting additional frequencies on their existing systems must demonstrate loading of 100% or more within three years.

Should a demand for additional frequencies exist after assignable frequencies are exhausted, any system having frequencies assigned under this plan for four (4) or more years and not loaded to at least 70% may lose operating authority on some of those frequencies in order to attain the 70% loading on the remaining frequencies. Any frequencies lost in this manner will be reallocated to other agencies to help satisfy demands in other areas.

If any channel is not loaded to more than 70% of its loading requirements within four (4) years after the license is granted, the channel may be made available for assignment to other agencies in the area on a shared basis in the event that other frequencies meeting the criteria for assignment are exhausted. Shared use of a frequency shall not be guaranteed protection from co-channel reuse requirements presented elsewhere in this plan.

Users of single frequency systems may be required to give the Region 42 Committee confirmation of loading for mobiles and portables as a method of validating loading.

A user requesting a single frequency pair to replace a lower band channel currently in use, that will be turned back for reassignment, will not be required to meet loading requirements in order to obtain the new frequency.

The preceding exception shall apply to users which have only one system and a single frequency pair. Agencies requesting additional channels or having multiple systems shall comply with the loading standards as outlined below or provide a traffic loading study that meets the criteria set forth below.

SYSTEM LOADING STANDARDS

<u>Channels</u>	<u>Minimum Units</u>
1-5	70
6-10	75
11-15	80
16-20	85

As in the case of S-160 agreements or similar agreements, it is permissible for a non-Federal government license to increase projected channel loading requirements to account for up to a 25% increase in mobile units, provided that documentable evidence exists to support such use by Federal agencies.

Applicants proposing systems of five (5) channels or more shall be required to use trunking technology in their systems.

F. FREQUENCY REUSE STATEMENT

It is anticipated that, in all but the most unusual cases, land mobile frequencies utilized by a licensee at the time of application for frequencies covered by this plan will be released for reassignment to other agencies within the FCC designated radio services, e.g. fire, local government, forestry, etc. The applicant is required to furnish the Region 42 Committee a list of all call signs and frequencies licensed to the applicant, or to other entities that will utilize the 800 MHz system under the applicant's license.

The applicant will indicate the frequencies which are to be released for reassignment to other eligibles along with a time frame for release. The FCC-authorized frequency coordinators for the appropriate service will be notified of any released frequencies recommended for reassignment.

An agency will not be allowed to "farm down" frequencies to other services within their political structure unless it can be justified by loading or to permit the direct reassignment of radio frequencies between similar agencies of different jurisdictions. Agencies failing to give back channels, as agreed, will be subject to recommended forfeiture of their 821-824/866-869 MHz channels.

Permission to retain existing land mobile frequencies will be made on a case-by-case basis. Only in unusual circumstances will applicants be allowed to retain use of existing land mobile frequencies. Such cases shall include, but not be limited to:

- 1) Applicants whose daily operational channels are in the band outside of the 821-824/866-869 MHz band, and propose only to implement the mutual-aid frequencies contained in this plan.
- 2) Applicants whose daily operational channels are in the band 821-824/866-869 MHz band, and propose to maintain other land mobile licenses for mutual aid with non 821-824/866-869 MHz users. In this case the applicant will still be required to "give-back" channels used for normal, daily, or routine operations.
- 3) Applicants proposing to expand, or add on to their existing 806-821/851-866 MHz systems using these channels. In such cases the applicant shall be required to conform with the channel loading criteria contained in this plan.

All applicants not proposing to "give-back" frequencies shall attach to their application a detailed statement as to why such frequencies should be retained.

G. FUNDING AND IMPLEMENTATION

The applicant's commitment to the system must be ensured to maintain the efficient utilization of these 800 MHz frequencies. A funding statement must be included with the application. This statement must certify that the jurisdiction is committed to fund and implement the radio systems.

The applicant must furnish an implementation schedule that shows the planned time cycle for construction and operation of the proposed communications system. Owing to the nature of governmental planning and budgeting, all applicants will invoke 47 CFR Section 90.629 of the FCC Rules and Regulations (slow growth). Any reports required by the FCC shall also be sent to the Region 42 Committee. If the licensee fails to meet the schedule, the Region 42 Committee may recommend to the Federal Communication Commission that authorization for channels not meeting the loading criteria contained in this Plan be canceled.

H. SPECIAL CONSIDERATIONS

The following must be addressed, if applicable:

1. CO-CHANNEL REUSE

Co-channel frequency reuse shall be based on geographical separation or on a propagation analysis. Co-channel stations separated by less than 70 miles require a propagation analysis for channel reuse. A propaga-

tion analysis showing a minimum 35 dB difference in median signal levels (local versus interfering) at the edge of the existing service area is acceptable for channel reuse licensing. The requirement for propagation analysis is intended to apply to the situation where an applicant not included in the original allocation table is attempting to locate a co-channel station less than 70 miles from an existing station which had been licensed in accord with the allocation table.

Calculation of signal levels shall be by the method shown in Appendix A (Co-Channel Interference Procedure) to this document.

If a sub-audible code (tone or data) is used in the system, coordination by the applicant of sub-audible codes for systems using identical RF frequencies is recommended if the system sites are located within 100 miles of each other.

2. ADJACENT CHANNEL OFFSET USAGE

Adjacent channel usage shall be based on geographical separation or on a propagation analysis. A 35 mile separation between transmitter sites is a minimum distance required to obtain licensing for adjacent channel use without a propagation analysis. Alternatively, a propagation analysis showing a minimum 15 dB difference in median signal levels (local versus interfering) at the edge of the existing service area is acceptable for adjacent channel reuse licensing.

Calculation of signal levels shall be by the method shown in Appendix A (Adjacent Channel Interference Procedures) to this document.

3. OPERATIONAL SERVICE AREA FACTORS

The Operational Service Area (OSA) is normally defined as the area of legal jurisdiction associated with the primary using-agency for the system. In the event that the system is to be used by multiple agencies on a shared basis, the OSA is defined as the contiguous total of the areas of legal jurisdiction for all agencies using the system, with the exception that any agency responsible for less than 5% of the total non-fixed units shall not be counted as a using agency for the purpose of determining the OSA. It is recognized that for some agencies, their communications systems must provide service for operations that take place beyond the legal jurisdictional boundaries. For those agencies, the OSA may be defined as the area within which a majority of the non-fixed units (more than 50%) normally operate. The applicant shall be required to justify each situation wherein the OSA exceeds the legal jurisdictional boundaries.

4. INTERFERENCE ASPECTS AND LIMITATIONS

Agency coverage requirements notwithstanding, in order to minimize interference to co-channel users in other areas it is necessary to limit the signal in the direction of those users. Since the location of those users is not necessarily predetermined, this section describes a limitation on Effective Radiated Power (ERP).

The maximum ERP allowed in the horizontal direction shall be adjusted according to the effective antenna elevation above average terrain (HAAT) in that direction. The calculations for effective antenna elevation shall be made along the eight (8) radials described in the section relating to the coverage design objectives, in accordance with the procedures described in the FCC Rules and Regulations, Section

90.309(4). In addition, a calculation shall be made for each known co-channel system with an OSA that extends to within 70 miles of the proposed site along a radial in the direction of the Co-channel system.

The maximum ERP in the horizontal direction from an antenna located 500 feet AAT shall normally be 27 dBW (500 watts). For elevations other than 500 feet AAT, the maximum ERP in dBW may be calculated from the following equation:

$$\text{ERP Maximum} = 20 * \text{Log}(500/\text{HAAT}) + 27$$

where HAAT is the height of the antenna above average terrain in feet in that direction.

Any increase above these limits will require an engineering study providing sufficient engineering documentation to prove both the need for increasing the allowable ERP and non-interference with other co-channel users whose OSA may be 70 miles or less in that direction.

5. NATIONAL RADIO QUIET ZONE

Fixed transmitter stations which lie north of latitude 37-30-00 and west of longitude 78-30-00 must be approved by the National Radio Astronomy Observatory (NRAO) in accordance with FCC Rules and Regulations. Applications for such stations shall be accompanied by a statement that notification has been made to the NRAO in accordance with FCC Rules and Regulations.

VI. OPERATING GUIDELINES

A. NATIONAL COMMON CHANNEL IMPLEMENTATION

In accordance with the National Plan, interoperability among federal, state, and local governments during routine and disaster operations will take place

on five common channels (i.e. a National Calling Channel and four Tactical Channels).

National Calling Channel - Primary systems users (5 channels or more) of 800 MHz will be required to monitor the calling channel. All primary users will maintain a radio watch for the purpose of monitoring and rendering assistance on the calling channel. Primary users must be willing to provide sufficient equipment for in-street mobile coverage within their system, consistent with their system coverage requirements. The calling channel will be used to contact other users in the region for the purpose of requesting incident related information and assistance. Once contact is made, a tactical channel will be used for continued communications. The National Calling Channel shall not be implemented as a mobile relay.

National Tactical Channels (TAC1-TAC4) - Tactical channels will be geographically assigned throughout the region. Primary users will be required to sponsor one or two localized mobile relays to cover specific geographical areas. This will provide a fixed number of working channels within an area. Multiple channels could be implemented depending upon the needs in an area. The placement and coverage of these systems will be controlled to permit reuse within the Region. Tactical channels will be used by those agencies in need of conducting interagency communications. Incidents requiring multi-agency participation will be coordinated over these channels by the agency controlling the incident. In the event of multiple incidents requiring the use of tactical channels, the channels will be designated by mutual agreement between controlling agencies.

B. DIRECT COMMUNICATIONS

Talk-around on all four National Tactical Channels will provide additional on-scene communications to supplement the localized mobile relay. Talk-around (line-of-sight) will provide on-scene communications in areas where there is no local mobile relay. Talk-around operation will be authorized by the control agency on a local basis.

C. OPERATION OF THE NATIONAL COMMON CHANNELS

The five National Common Channels are to be used for activities requiring inter-communications among agencies not sharing any other compatible communications system. These channels will not be used by any level agency for daily operations or for interagency communications not requiring interoperability. In major emergency situations, one or more tactical channels may be assigned by the control agency assuming responsibility for an incident or area of concern.

Users of these channels include local, state, and federal emergency management organizations with the designated responsibility for the protection of life and property including, but not limited to police, fire, and providers of basic and advanced life support services.

D. OPERATING PROCEDURES

On all National Common Channels, CLEAR TEXT, as defined by the National Inter-agency Incident Management System (NIIMS) will be utilized. It should be recognized by all operators that CLEAR TEXT is not simply "plain English" but it is a System of standardized words and phrases that, while generally self evident in meaning, have specific definitions (see Appendix A). It should also be recognized by all licensees that it is nearly impossible for radio

operators to switch back and forth between several operating procedures, especially during emergency situations, and licensees are strongly urged to adopt CLEAR TEXT as a standard operating procedure on the non-common channels used in their systems.

Operators should avoid using unusual codes, words, and phrases on the common channels. APCO's Procedures Manual should be used as a guide for other communications procedures.

National Calling Channel - The calling channel shall be used to contact other users in the region for the purpose of requesting or rendering assistance for an incident. This channel shall not be used as an ongoing working channel. Once contact is established, agreed-upon tactical channels shall immediately be used for continued communications.

National Tactical Channels (TAC1-TAC4) - These frequencies are to be used by the agencies involved in interagency communications. Incidents requiring multi-agency response will utilize these tactical channels as directed by the agency assuming responsibility for the incident. In no case shall control of these channels remain with a single agency beyond the termination of a declared emergency.

E. NETWORK CONTROL CENTER

The National Calling Channel will be monitored by all communications centers. It is the responsibility of these centers to respond to all calls for assistance from any vehicle or dispatch point within the area.

The communications center declaring an emergency or incident will coordinate the assignment of the tactical channels for ongoing emergency operations consistent with the geographical area of the emergency. The control center shall have the capability of communication on at least one tactical channel and may have the capability of using all four of these channels.

F. NETWORK OPERATING METHOD

A network will be established on the calling channel for wide-area coverage within the area of jurisdiction of the licensee. Multi-networks will be required to fully cover outlying areas.

Communications systems on TAC1-TAC4 will be implemented by the licensees on a distributed basis. Every primary geographical section of the Region is intended to be covered by at least one of the tactical channels. In secondary areas, common channels will be utilized through mobile-to-mobile talk-around. Mobile relays on TAC1-TAC4 will be designed for limited coverage to allow reuse of the channel several times within the Region and in adjacent regions. Each primary user installing tactical channel(s) shall install at least one tactical channel to a coverage level consistent with the remainder of the system.

G. MUTUAL AID CONSIDERATIONS

For Region 42, the five (5) mutual aid channels shall be those channels as specified in the NPSPAC Final Report as follows:

601	821.0125(M) 866.0125(B)	-	National Calling Channel
639	821.5125(M) 866.5125(B)	-	Tactical Channel 1
677	822.0125(M) 867.0125(B)	-	Tactical Channel 2
715	822.5125(M) 867.5125(B)	-	Tactical Channel 3
753	823.0125(M) 868.0125(B)	-	Tactical Channel 4

These channels shall use the CTCSS tone specified in the NPSPAC Final Report, 156.7 Hz.

As the regional usage develops in the future, additional mutual aid channels may be approved by the Region 42 Committee pending request and justification.

FCC Channels 638, 676, 714, 752, and 790 shall be reserved for present and future mutual aid use throughout Region 42. Five channels are needed for anticipated increased interagency communications needs, potential data transmission needs, and to implement new technologies among users. This reservation shall be reviewed five years after the plan is approved, and any channels not allocated for mutual aid at that time may be released for service as trunked public safety channels.

Any additional mutual aid channels will follow the same mutual aid use restrictions as the five (5) National Mutual Aid Channels as follows:

(1) Mutual aid channels shall not be used for routine operations within a jurisdiction or OSA (Operational Service Area). The intent of the mutual aid channel is for communications with foreign units passing through an OSA or for operations involving the coordination of two or more OSA's during routine calls, distress calls, and natural and man made disasters.

(2) Every OSA is encouraged to participate in the National Mutual Aid Plan by acquiring at least the National Calling Channel and one (1) National Tactical Channel.

(3) Any agency implementing any of the mutual aid channels must actively monitor the National Calling Channel during the time their dispatch center is manned. All National Tactical Channels shall be maintained normally in the repeat disable mode, with mobile relay operations capability on demand, under the direct control of the implementing agency's dispatcher.

(4) The regional committee encourages the use of the National Tactical Channels on a simplex basis whenever units are roaming out of their OSA, rather than the use of their assigned operational channels.

(5) Any OSA or agency within an OSA with mutual aid capability is encouraged to provide direct-patch or cross-patch capability to a telephone or a working radio talk group for that OSA or agency and preferably from a 24 hour manned central dispatch location. This capability should be for restricted temporary use only and not for regular or unrestricted use.

(6) The regional committee has established a method for assignment of the National Tactical channels for users of a trunked systems in order to minimize possible congestion of tactical channel usage. All agencies are encouraged to implement use of the calling channel with radio cross patch and telephone patch capability. The distribution on tactical channels shall be as follows:

(a) Each of the National Tactical Channels are assigned an FCC identification number:

639 = 821.5125(M)/866.5125(B)

677 = 822.0125(M)/867.0125(B)

715 = 822.5125(M)/867.5125(B)

753 = 823.0125(M)/868.0125(B)

(b) If the lowest group number in the user's trunked allocations is even, then use both or either 639 or 715.

(c) If the lowest group number in the user's trunked allocations is odd, then use both or either 677 or 753.

H. ENCOURAGEMENT OF USE BY NON-800 MHZ SYSTEMS

Agencies not using 800 MHz, but who envision potential mutual aid requirements with agencies using 800 MHz, are encouraged to install a base on the calling channel plus a mobile relay on at least one (1) National Tactical Channel. Assignment of mutual aid channels for non-trunked users will be done by the Region 42 Committee.

I. FEDERAL INTEROPERABILITY

Under authority of the plan, agencies of federal, state and local governments (and other eligible licensees as may be designated) may operate mobile and portable units on the five National channels as described above. Additionally, through the use of S-160 or equivalent agreements, a licensee may permit federal use of a non-federal communications system composed of other than the five designated common channels. Such use is to be in full compliance with FCC requirements for government use of non-government frequencies (Title 47 CFR, sec. 2.103). While all users of a system must operate according to the Rules and Regulations of the Federal Communications Commission, the licensee of the system has the ultimate responsibility for ensuring compliance to the Rules and Regulations.

J. AIRCRAFT OPERATIONS

Since aircraft operation of trunked radios tends to disrupt adjoining systems due to the airborne height of the transmitting aircraft above ground level, aircraft use of Plan channels is prohibited under most circumstances unless compelling reasons are presented to and approved by the Committee. This will not apply to the National Calling or tactical channels. Simplex (talk-around) operation of aircraft radios and others is suggested for on-scene communications. The effective radiated power (ERP) of all aircraft transmitters shall be limited to one (1) watt maximum.

K. ENCRYPTED TRANSMISSIONS

The use of encrypted transmissions shall not be permitted on the National Calling Channel. The use of voice encryption shall be permitted on Tactical, or other mutual aid, and Plan Channels with the mutual cooperation of all participants.

L. LONG-RANGE COMMUNICATIONS

During incidents of major proportions where public safety requirements might include the need for long-range communications in and out of a disaster area, alternate radio communications plans are to be addressed by lead agencies within this region. These agencies shall integrate their appropriate interface to the five national channels as a minimum. Such long distance radio communications might be amateur radio operations, satellite communications, or long-range emergency preparedness communications systems. Any of these should be incorporated as part of the communications plans of those lead agencies.

Instances addressed in the National Public Safety Planning Advisory Committee's Plan such as earthquakes, hurricanes, floods, widespread forest

fires or nuclear reactor problems could be a cause for such long-range communications needs.

M. USE OF CELLULAR TELEPHONES

The internal use of cellular telephones shall be at the option of the local entity.

The use of a mobile relay as a telephone via interconnect through an 800 MHz trunked radio system or other two-way radio communications system will normally require an excessive amount of air time compared to dispatch traffic. Therefore, the use of interconnect for radio telephone use, although not prohibited, is discouraged for systems implemented under this Regional Plan except where no cellular service is available.

Limited use of cellular telephone is recommended where significant amounts of vehicular communication with the Public Switched Network is required for non-emergency communications. Cellular telephone is not recommended as a reliable means of emergency communication.

N. EQUIPMENT PERFORMANCE STANDARDS

The FCC has adopted technical standards for transmitters in this band which will permit closer geographical adjacent channel use than would be possible using standard 25 KHz channels. However, the FCC has not adopted improved receiver technical standards. It is the position of the FCC that receivers do not cause interference, nor do they threaten effective operation of the public safety network, as would substandard transmitters.

However, the adjacent channel intersystem spacing in this Plan is based on the technical design (both transmitter and receiver) recommendations contained in the NPSPAC Final Report (page 18). Applicants choosing to use equipment not meeting the recommended technical standards for receivers do so at the risk of becoming subject to irremediable interference.

VII. ADMINISTRATIVE PROCEDURES

A. REGION 42 COMMITTEE

The Regional Plan will require an organizational structure to manage the plan and to provide a basis for future modifications because of omission in the original plan, changes in technology, changes in the needs of users, and conflicts among users. A Region 42 Committee will be established to provide these functions once the plan is accepted by the FCC.

Responsibilities - The Region 42 Committee shall assume the following responsibilities and shall enact rules, policies, and procedures to implement and maintain the regional plan:

- 1) Elect a chairperson.
- 2) Develop rules, procedures, and standards that may be necessary to implement or maintain the plan.
- 3) Present to the FCC formally adopted, proposed modification of the Regional Plan.
- 4) Establish a Frequency Coordination subcommittee and develop standards for processing applications.
- 5) Maintain coordination with adjacent regional committees.

Membership - The Region 42 Committee shall be representative of all eligibles within the region. The Region 42 Committee shall have 13 members with representation as follows:

- 1) APCO Frequency Coordinator.
- 2) Communications Officer (or his designated representative) from the Virginia State Police.
- 3) Police Representative from a non-state, law enforcement entity eligible in the Police Radio Service.
- 4) Fire Representative from an entity eligible in the Fire Radio Service.
- 5) Highway Maintenance Representative from an entity eligible in the Highway Maintenance Radio Service.
- 6) Conservation Representative from an entity eligible in the Forestry-Conservation Radio Service.
- 7) EMS Representative from an EMS entity eligible in the Special Emergency Radio Service.
- 8) Non-government Representative.
- 9) State Representative from a state government agency.
- 10) Representative from the Virginia Department of Emergency Service.
- 11) Representative from a county or local public safety agency from eastern Virginia (see Appendix A).
- 12) Representative from a county or local public safety agency from central Virginia (see Appendix A).
- 13) Representative from a county or local public safety agency from western Virginia (see Appendix A).

The initial Region 42 Committee shall be appointed by the Region 42 Planning Committee Chairman after consultation with the subcommittees, within 30 days of approval of the Region 42 Plan by the FCC. The APCO Frequency Coordinator and the State Police Representative shall be permanent members of the Committee. At the discretion of the Region 42 Planning Committee, five of the initial non-permanent members of the Region 42 Committee shall be appointed for a one-year term; the remaining non-permanent members shall be appointed for a two-year term. Thereafter, membership on the Region 42 Committee shall be for a two-year period. Normally occurring vacancies shall be filled by election at the annual meeting by attendees who have attended the previous annual meeting or at least one other meeting between annual meetings. The Chairman may appoint a subcommittee to seek qualified nominees for the vacancies but nominations may also be made from the floor. Vacancies occurring during the term of office of a representative will be filled by vote of the Region 42 Committee. The Frequency Coordination subcommittee will be comprised of the APCO Frequency Coordinator (Chairperson) and two other members appointed by the Region 42 Committee. This subcommittee shall meet as necessary to process pending applications in a timely manner.

Meetings - The Region 42 Committee shall hold an annual meeting at which time proposed modifications to the plan shall be acted upon and normal vacancies shall be filled. All changes to the plan will be submitted to the FCC for approval. The Region 42 Committee shall hold at least one other meeting per year. Written notice of these meetings shall be mailed to members and other interested parties at least two weeks prior to the meeting date.

Special meetings may be called by the Chairperson or upon written request of five members of the Region 42 Committee. Notification of special meetings

shall be made to all members at least 3 working days prior to the meeting date. The Chairperson may conduct a special meeting by telephone providing all Committee members were notified and a quorum was present.

A quorum for regular or special meetings shall consist of seven or more Committee members or appointed alternates.

Officers - The Committee officers shall be elected by members of the Region 42 Committee immediately after the annual elections. The officers and their duties are as follows:

- 1) Chairperson shall call meetings, set the agenda for meetings, preside at meetings, and with concurrence of the Region 42 Committee, appoint subcommittees.
- 2) Vice Chairperson shall assume the duties of the Chairperson in his absence and shall perform other duties assigned by the Chairperson.
- 3) Secretary shall notify of all meetings, shall record the minutes of all meetings and shall distribute copies of minutes to Committee members and others designated by the Chairperson.

The APCO Frequency Coordinator will serve as Region 42 Committee Chairperson Pro Tem until the initial Committee meets and elects a Chairperson and other officers.

B. APPLICATIONS REVIEW AND APPEALS

Application Periods - Within six months of the approval of this plan by the FCC, the committee will establish periods during which applications will be accepted.

Application Review - The committee will review the applications for compliance with the plan. Each application will be scored according to the Evaluation Criteria listed in Appendix A. If more than one applicant applies for the available channels during any application period, the application with the highest score will be approved within the limitations of the available channels. Other applications will be processed in order of the rating score as long as channels are available. Unless an appeal by a competing rejected applicant is filed within 15 working days after rejection, approved applications will be forwarded for frequency coordination and submission to the FCC.

Appeal Process - Applicants may appeal a rejection of their application by the committee. The appeal process has three stages:

- A. Appeal to the Committee for review
- B. Appeal to National APCO
- C. Appeal to the Federal Communications Commission

An applicant who decides to appeal a rejection should file the appeal within 15 working days of the receipt of the returned application. If the applicant is not satisfied with the final decision of the Committee, the applicant may file an appeal with National APCO and then to the FCC. The Committee must be notified if the applicant appeals a rejection to National APCO or the FCC. The decision by the FCC will be final and binding upon all parties.

C. INTERREGIONAL COORDINATION

It shall be the policy of the Region 42 Committee to submit to adjacent regions any proposed frequency assignment perceived to have an impact in the adjacent region for review and comments. Where there are areas of concern, a regional sub-committee will be appointed to recommend a resolution of the problem.

The original assignment of frequencies for use near the boundaries of Region 42 will be made to ensure equitable allocations between the regions. It is anticipated that each affected region will theoretically allocate frequencies to both sides of the regional boundaries using the specific allocation criterion developed by each region. Interregional subcommittees will then meet to resolve allocation conflicts.

The committee proposes to have specific participation with and by Region 20 since part of Region 20 lies within the boundaries of the State of Virginia.

By following the FCC accepted method of computer generated frequency packing as provided by CET, Inc., the Region 42 Committee considers this plan compliant with the coordinating requirements. This compliance is based on the timing of the computer run which was purposely delayed to allow the Region 20 frequency packing run to be accomplished before the Region 42 run was performed, therefore taking into account the edge affect on the border with Region 20. We further believe any plan submitted by other bordering regions should be performed by CET, Inc. in order to ensure a coordinated frequency assignment. The plan specifies that the Regional Plan Review Committee will continue to coordinate with bordering regions to address this issue when repacking and reuse of frequencies may become a potential problem in the future.

All adjacent regions (Regions 17, 20, 31, 39, and 44) were furnished copies of this plan. A statement of concurrence or objection was requested from each region. All regions indicated, verbally or in writing, their concurrence with this plan.

APPENDIX A

POPULATION ESTIMATES FOR VIRGINIA

POLITICAL UNIT	1980	POPULATION 1990	2000	% CHANGE 1980-2000	STATE POLICE DIVISION **
ALEXANDRIA CITY *	103,217	109,700	113,400	9.9	7
BEDFORD CITY	5,991	6,600	6,900	15.2	6
BRISTOL CITY	19,042	18,300	18,000 (	5.5)	4
BUENA VISTA CITY	6,904	7,000	7,200	4.3	6
CHARLOTTESVILLE CITY	39,916	42,000	43,400	8.7	3
CHESAPEAKE CITY	114,486	143,000	163,000	42.4	5
CLIFTON FORGE CITY	5,046	5,200	5,300	5.0	6
COLONIAL HEIGHTS CITY	16,509	17,600	18,400	11.5	1
COVINGTON CITY	9,063	7,500	7,700 (	15.0)	6
DANVILLE CITY	45,642	44,900	44,900 (	1.6)	6
EMPORIA CITY	4,840	4,600	4,500 (	7.0)	5
FAIRFAX CITY *	20,537	21,000	21,500	4.7	7
FALLS CHURCH CITY *	9,515	9,700	9,900	4.0	7
FRANKLIN CITY	7,907	8,000	8,200	3.7	5
FREDERICKSBURG CITY	17,762	20,800	22,800	28.4	2
GALAX CITY	6,524	7,200	7,500	15.0	4
HAMPTON CITY	122,617	128,700	132,500	8.1	5
HARRISONBURG CITY	24,655	28,700	31,500	27.8	3
HOPEWELL CITY	23,397	24,900	25,600	9.4	1
LEXINGTON CITY	7,292	6,700	6,600 (	9.5)	6
LYNCHBURG CITY	66,743	70,800	73,500	10.1	3
MANASSAS CITY *	15,505	21,500	27,200	75.4	7
MANASSAS PARK CITY *	6,524	7,200	7,700	18.0	7
MARTINSVILLE CITY	18,149	19,400	19,800	9.1	6
NEWPORT NEWS CITY	144,903	165,100	176,600	21.9	5
NORFOLK CITY	266,979	274,700	280,000	4.9	5
NORTON CITY	4,757	5,000	5,200	9.3	4
PETERSBURG CITY	41,055	39,400	38,800 (	5.5)	1
POQUOSON CITY	8,726	11,700	14,300	63.9	5
PORTSMOUTH CITY	104,577	114,800	117,100	12.0	5
RADFORD CITY	13,456	14,300	14,800	10.0	6
RICHMOND CITY	219,214	214,300	212,700 (	3.0)	1
ROANOKE CITY	100,220	100,000	100,000 (	.2)	6
SALEM CITY	23,958	24,800	25,300	5.6	6
SOUTH BOSTON CITY	7,093	7,500	7,600	7.1	3
STAUNTON CITY	21,857	25,000	25,400	16.2	3
SUFFOLK CITY	47,621	55,500	64,500	35.4	5
VIRGINIA BEACH CITY	262,199	362,600	426,200	62.5	5
WAYNESBORO CITY	18,859	18,500	18,300 (	3.0)	3
WILLIAMSBURG CITY	10,294	11,400	12,600	22.4	5
WINCHESTER CITY	20,217	21,600	22,600	11.8	2
ACCOMACK COUNTY	31,268	32,400	32,800	4.9	5
ALBEMARLE COUNTY	55,783	69,000	81,300	45.7	3
ALLEGHANY COUNTY	14,333	14,800	15,100	5.4	6
AMELIA COUNTY	8,405	9,200	10,200	21.4	1
AMHERST COUNTY	29,122	30,300	31,500	8.2	3
APPOMATTOX COUNTY	11,971	13,300	14,200	18.6	3
ARLINGTON COUNTY *	152,599	156,300	160,200	5.0	7
AUGUSTA COUNTY	50,202	52,200	56,200	11.9	3
BATH COUNTY	5,860	5,500	5,600 (	4.4)	6
BEDFORD COUNTY	34,927	44,000	51,500	47.5	6

POPULATION ESTIMATES FOR VIRGINIA

POLITICAL UNIT	1980	POPULATION 1990	2000	% CHANGE 1980-2000	STATE POLICE DIVISION **
BLAND COUNTY	6,349	7,100	7,500	18.1	4
BOTETOURT COUNTY	23,270	25,900	27,500	18.2	6
BRUNSWICK COUNTY	15,632	16,300	16,600	6.2	5
BUCHANAN COUNTY	37,989	40,100	42,400	11.6	4
BUCKINGHAM COUNTY	11,751	12,600	13,000	10.6	3
CAMPBELL COUNTY	45,424	50,500	53,500	17.8	3
CAROLINE COUNTY	17,904	20,600	22,700	26.8	1
CARROLL COUNTY	27,270	29,200	31,000	13.7	4
CHARLES CITY COUNTY	6,692	6,900	7,300	9.1	1
CHARLOTTE COUNTY	12,266	11,400	11,300 (	7.9)	3
CHESTERFIELD COUNTY	141,372	202,000	254,900	80.3	1
CLARKE COUNTY	9,965	10,900	11,700	17.4	2
CRAIG COUNTY	3,948	4,400	4,700	19.0	6
CULPEPER COUNTY	22,620	25,400	27,400	21.1	2
CUMBERLAND COUNTY	7,881	8,600	9,300	18.0	3
DICKENSON COUNTY	19,806	21,800	23,800	20.2	4
DINWIDDIE COUNTY	22,602	21,400	22,300 (	1.3)	1
ESSEX COUNTY	8,864	9,300	9,700	9.4	1
FAIRFAX COUNTY *	595,754	737,300	810,000	36.0	7
FAUQUIER COUNTY *	35,889	45,300	52,200	45.4	2
FLOYD COUNTY	11,563	12,700	13,400	15.9	6
FLUVANNA COUNTY	10,244	11,700	13,000	26.9	3
FRANKLIN COUNTY	35,740	39,800	42,900	20.0	6
FREDERICK COUNTY	34,250	40,800	46,000	34.3	2
GILES COUNTY	17,810	18,400	18,800	5.6	4
GLOUCESTER COUNTY	20,107	30,000	37,500	86.5	5
GOOCHLAND COUNTY	11,761	13,800	15,400	30.9	1
GRAYSON COUNTY	16,579	17,300	17,700	6.8	4
GREENE COUNTY	7,625	9,700	11,400	49.5	3
GREENSVILLE COUNTY	10,903	10,800	11,400	4.6	5
HALIFAX COUNTY	30,599	30,800	31,000	1.3	3
HANOVER COUNTY	50,398	60,500	69,600	38.1	1
HENRICO COUNTY	180,735	208,000	228,000	26.2	1
HENRY COUNTY	57,654	58,000	58,500	1.5	6
HIGHLAND COUNTY	2,937	3,200	3,400	15.8	6
ISLE OF WIGHT COUNTY	21,603	24,500	26,200	21.3	5
JAMES CITY COUNTY	22,339	30,900	36,600	63.8	5
KING AND QUEEN COUNTY	5,968	6,700	7,200	20.6	2
KING GEORGE COUNTY	10,543	12,800	15,000	42.3	1
KING WILLIAM COUNTY	9,334	11,000	12,000	28.6	1
LANCASTER COUNTY	10,129	12,000	13,300	31.3	1
LEE COUNTY	25,956	28,900	31,600	21.7	4
LOUDOUN COUNTY *	57,427	72,900	94,000	63.7	7
LOUISA COUNTY	17,825	20,500	22,300	25.1	1
LUNENBURG COUNTY	12,124	12,300	12,500	3.1	3
MADISON COUNTY	10,232	11,200	12,000	17.3	2
MATHEWS COUNTY	7,995	9,500	10,500	31.3	5
MECKLENBURG COUNTY	29,444	30,100	30,500	3.6	3
MIDDLESEX COUNTY	7,719	9,000	9,900	28.3	5
MONTGOMERY COUNTY	63,285	70,500	78,000	23.3	6
NELSON COUNTY	12,204	12,600	12,900	5.7	3
NEW KENT COUNTY	8,781	11,700	13,600	54.9	1
NORTHAMPTON COUNTY	14,625	14,800	14,900	1.9	5
NORTHUMBERLAND COUNTY	9,828	10,400	11,000	11.9	1

POPULATION ESTIMATES FOR VIRGINIA

POLITICAL UNIT	POPULATION			% CHANGE 1980-2000	STATE POLICE DIVISION **
	1980	1990	2000		
NOTTOWAY COUNTY	14,666	15,100	15,500	5.7	1
ORANGE COUNTY	18,063	20,900	22,900	26.8	2
PAGE COUNTY	19,401	21,400	22,600	16.5	2
PATRICK COUNTY	17,647	18,400	18,900	7.1	6
PITTSYLVANIA COUNTY	66,147	68,800	70,600	6.7	6
POWHATAN COUNTY	13,062	16,000	18,900	44.7	1
PRINCE EDWARD COUNTY	16,456	18,400	20,300	23.4	3
PRINCE GEORGE COUNTY	25,733	29,000	31,600	22.8	5
PRINCE WILLIAM COUNTY *	144,636	192,000	248,000	71.5	7
PULASKI COUNTY	35,229	36,800	37,900	7.6	4
RAPPAHANNOCK COUNTY	6,093	6,300	6,500	6.7	2
RICHMOND COUNTY	6,952	7,400	7,700	10.8	1
ROANOKE COUNTY	72,945	81,100	88,700	21.6	6
ROCKBRIDGE COUNTY	17,724	19,000	19,800	11.7	6
ROCKINGHAM COUNTY	52,054	57,800	63,000	21.0	3
RUSSELL COUNTY	31,761	34,800	37,700	18.7	4
SCOTT COUNTY	25,068	26,200	26,800	6.9	4
SHENANDOAH COUNTY	27,559	31,000	33,300	20.8	2
SMYTH COUNTY	33,366	34,600	35,500	6.4	4
SOUTHAMPTON COUNTY	18,132	18,400	18,600	2.6	5
SPOTSYLVANIA COUNTY	31,995	47,000	60,000	87.5	2
STAFFORD COUNTY *	40,470	56,700	70,400	74.0	2
SURRY COUNTY	6,046	6,400	6,600	9.2	5
SUSSEX COUNTY	10,874	9,900	9,500 (	12.6)	5
TAZEWELL COUNTY	50,511	54,400	58,100	15.0	4
WARREN COUNTY	21,200	24,700	26,700	25.9	2
WASHINGTON COUNTY	46,487	50,500	54,000	16.2	4
WESTMORELAND COUNTY	14,041	14,600	15,200	8.3	1
WISE COUNTY	43,863	49,000	53,600	22.2	4
WYTHE COUNTY	25,522	27,100	28,100	10.1	4
YORK COUNTY	35,463	44,000	49,600	39.9	5

	5,346,918	6,096,700	6,665,000	24.7	

* = REGION 20 (INCLUDED FOR PLANNING FOR
COMMONWEALTH OF VIRGINIA FREQUENCIES)

** = STATE POLICE DIVISIONS ARE FOR ALLOCATION
OF COMMONWEALTH OF VIRGINIA FREQUENCIES)

SOURCE: VIRGINIA POPULATION PROJECTIONS 2000
LILLYWHITE AND ROBINSON
VA DEPT OF PLANNING AND BUDGET 1986

CHANNEL ALLOCATIONS FOR REGION 42

LOCATION	CHANNELS
=====	=====
ACCOMACK COUNTY	613 802 822
ALBEMARLE COUNTY	616 796 816
ALLEGHANY COUNTY *	610 630 650
AMELIA COUNTY	611 631 817
AMHERST COUNTY	612 797 817
APPOMATTOX COUNTY	614 634 815
AUGUSTA COUNTY	619 641 812
BATH COUNTY	607 799 819
BEDFORD COUNTY	608 628 821
BEDFORD CITY	602 622 825
BLAND COUNTY	615 788 811
BOTETOURT COUNTY	615 635 814
BRISTOL CITY	602 805 825
BRUNSWICK COUNTY	613 798 818
BUCHANAN COUNTY	605 802 822
BUCKINGHAM COUNTY	602 622 813
BUENA VISTA CITY	603 623 824
CAMPBELL COUNTY	610 799 819
CAROLINE COUNTY	629 794 815
CARROLL COUNTY	609 629 819
CHARLOTTESVILLE CITY	603 803 823
CHARLES CITY COUNTY	621 643 813
CHARLOTTE COUNTY	629 649 811
CHESAPEAKE CITY	615 658 666 678 788 809 814
CHESTERFIELD COUNTY *	652 660 682 684 702 704 722 724 742 744
CLARKE COUNTY	622 798 818
CLIFTON FORGE CITY	602 622 825
COLONIAL HEIGHTS CITY	602 803 823
COVINGTON CITY	604 624 823
CRAIG COUNTY	613 792 812
CULPEPER COUNTY	652 683 771
CUMBERLAND COUNTY	609 785 808
DANVILLE CITY	602 805 825
DICKENSON COUNTY	607 627 820
DINWIDDIE COUNTY	615 635 810
EMPORIA CITY	602 622 824
ESSEX COUNTY	644 772 801
FLOYD COUNTY	614 634 815
FLUVANNA COUNTY	605 801 821
FRANKLIN COUNTY	620 642 811
FRANKLIN CITY	603 623 823
FREDRICKSBURG CITY	608 799 819
FREDRICK COUNTY	625 785 814
GALAX CITY	602 622 825
GILES COUNTY	621 786 809
GLOUCESTER COUNTY	617 645 819
GOOCHLAND COUNTY	607 788 811
GRAYSON COUNTY	613 793 813
GREENSVILLE COUNTY	609 802 822
GREENE COUNTY	614 634 814

DISTRIBUTION

Having been duly certified to the Federal Communications Commission (FCC) by the Associated Public-Safety Communications Officers, Inc. (APCO) as the Convenor of an initial meeting of representatives of parties eligible for radio licensing in the FCC's Public Safety and Special Emergency Radio Services to establish a Regional Planning Committee in the State of Virginia in Region 42, as described herein-after, I hereby give Public Notice that such an initial meeting will be held on July 14, 1988 in Conference Room C in the James Monroe Office Building, 101 North 14th Street, Richmond, Virginia beginning at 1:30 P.M. EDT. This Region is one of several established by the FCC throughout the United States.

The responsibility of the Regional Planning Committee will be to develop a Plan for use of frequencies in the 821-824 and 866-869 megahertz bands allocated by the FCC for use by such licensees. Parties interested in participating in the regional planning process should contact me.

This Public Notice is in accordance with the FCC's Report and Order in Gen. Docket No. 87-122, adopted by the FCC on November 24, 1987 and released on December 19, 1987. The Report and Order was printed in 53 Federal Register 1022 (January 15, 1988) and is effective February 16, 1988.

The Report and Order was based in large part on the Final Report of the National Public Safety Planning Advisory Committee, which was submitted to the FCC on September 9, 1987.

Copies of both the Report and Order and the Final Report are available from the FCC's duplication contractor, International Transcription Services, Inc., Suite 140, 2100 M Street, N.W., Washington, D.C. 20037. Phone (202)857-3800.

Harry J. Miller
Commonwealth of Virginia
Department of Information Technology
110 South Seventh Street
Richmond, Virginia 23219

Harry J. Miller
Convenor
April 27, 1988
Date

Harry J. Miller of the Commonwealth of Virginia Department of Information Technology Radio Engineering Section was certified to the Federal Communications Commission by the Associated Public Safety Communications Officers as the Convenor for Region 42 Planning Committee by letter dated February 1, 1988. Mr. Miller called the initial organizational meeting as required by the FCC Report and Order on July 14, 1988. Announcement of the meeting was distributed as follows:

1. Publication in legal notice section of the following newspapers:

Richmond News Leader	Richmond, Virginia
Richmond Times Dispatch	Richmond, Virginia
Virginian Pilot and Ledger Star	Norfolk, Virginia
Roanoke Times and World News	Roanoke, Virginia

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2. Mail to membership list, Virginia Chapter, APCO.

3. Mail to individuals, organizations, and governmental entities having expressly requested to be so notified.

4. Announcement printed in "UPDATE", the official monthly newsletter of the Virginia Department of Emergency Services, which is distributed to all city, town, and county governments, as well as to all emergency medical, fire, and emergency planning organizations within the state.

5. Mail to various communications vendor organizations known to be doing business within the state.

6. Mail to members of the Commonwealth of Virginia State Interagency Radio Advisory Committee, representing communications major using agencies of state government, including Forestry, State Police, Game and Inland Fisheries, Highways and Transportation, Marine Resources, Health and Emergency Medical Services, Emergency Services (Civil Defense), and Corrections.

7. Mail to Virginia State Board of Veterinary Medicine.

Text of the meeting notice, minutes of the meeting, and list of attendees is included in Appendix

The second Region 42 general meeting was held October 14, 1989 in Richmond, Virginia. Announcement of the meeting was by mail to all attendees of the initial meeting and to all others requesting to be so notified, including those for the initial meeting. Minutes of the meeting and list of attendees is included in Appendix

REGION 42:	Harry J. Miller (Chairman)	Va Dept of Information Tech
OPERATIONS:	James A. Copony (Chairman)	Va Dept of Forestry
Police	Melinda Bramley	City of Virginia Beach
Fire	Michael B. Player	County of York
Local Government	Ronald Edwards	County of Roanoke
Non-government	Jane Stanley	General Electric Co
Highway Maintenance	James E. Melone	Va Dept of Transportation
Forestry-Conservation	James A. Copony	Va Dept of Forestry
Civil Defense, National Guard, Etc.	Warren B. Eib	Va Dept of Emergency Services
EMS	Charles D. Miday	Va Dept of Health (EMS)
Frequency Coordination	E. Lyn White	Va Dept of State Police (APCO Frequency Advisor)
Region 20 Liaison	James Tucker	Motorola, Inc
TECHNICAL:	Martin H. Barringer (Chairman)	Frederick G. Griffin, P.C.
	Robert L. Smith	City of Norfolk
	Gerard Smith	County of Chesterfield
	Thomas V. Irving	City of Virginia Beach
	Arthur T. Vandergrift	City of Newport News
	Dan Lynch/John Berti	General Electric Co
	John Eagler	Motorola, Inc
	Robert T. Forrest	Communications Technology Associates
	S.A. Cable	County of Roanoke

NPSPC REGION 42

JULY 14, 1988

Initial organizational meeting of National Public Safety Planning Region 42 was called to order at 1:45 p.m., July 14, 1988, by Mr. Harry J. Miller, the APCO certified convenor. The first item of business was an announcement by Lin White of the death of Bill Lee, retired radio engineer from the Virginia State Police and a former national president of APCO.

Mr. Miller then presented a brief history of events leading to the establishment of the National Public Safety Planning Committee and the present meeting, which was mandated by an FCC Report and Order.

Mr. Miller then pointed out that although the FCC required only that a permanent chairman be elected at this meeting, what was really necessary to accomplish was the establishment of a basic organization for the region. Mr. Miller said he had attended similar meetings held by the Florida, North Carolina, and Maryland-DC-Northern Virginia regions; had reviewed suggestions furnished by National APCO and other planning regions, and felt that the best approach was to establish two basic subcommittees: a technical group and an operations/administrative group. Two men who volunteered to head these groups were introduced: Marty Barringer (Frederick G. Griffin, P.C., a consulting engineering firm) to head the technical; and James Copony (Virginia Department of Forestry) to head the operations/administrative.

After a brief discussion of some of the tasks to be addressed by these groups, particularly the importance of representation in the planning activity by all FCC-specified licensing eligibles, there was a call for questions from the floor. Mr. Al Beckley asked if the president of the

local APCO chapter appointed anyone to work with the convenor. Mr. Miller said that there had been a number of suggestions made but no actual appointments; all involved felt that was a matter properly left to this meeting.

The meeting then turned to the business of electing the permanent chairman. Mr. Miller said that he felt that he was by nature a being the convenor a candidate and ask for someone to place his name in nomination. The nomination was moved by Mr. Bob Smith and seconded by Mr. Al Beckley. A call for additional nominations was made, and a discussion concerning the desired qualifications of a chairman followed. This discussion included comments by a number of individuals, especially Mr. Bill Marriott, the APCO chapter president. There were no additional nominations. The nomination was put to vote, the "ayes" appeared unanimous, there were no "nay" votes: Harry Miller was elected permanent chairman.

Mr. Miller then asked for a motion to grant the chairman the authority to establish the basic organization previously described and appoint subcommittee chairmen without the necessity of membership voting. The motion to grant such authority was made by Mr. Jim Melone and seconded by Mr. Ronald Edwards. After some brief discussion the matter was put to a vote; all were in favor and none opposed. The authority was granted.

Mr. Miller then appointed Mr. Barringer and Mr. Copony to head the subcommittees as described. There was a call for volunteers to fill various positions in the subcommittees. The majority of positions were filled at the meeting but both subcommittee chairmen indicated they would endeavor to fill those remaining as quickly as possible.

After some discussion regarding the task facing the subcommittees and the planning region and general, it was announced that there would be two

three meetings of the subcommittees and then another general meeting, open to the public, would be held in September or October.

A motion to adjourn was made by Mr. Al Beckley and seconded by Mr. Lin White. Vote to adjourn was unanimous; meeting adjourned at 3:00 p.m.

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ATTENDEES
MEETING ON JULY 14, 1988

Marty Barringer	Frederick G. Griffin, P.C.
Charlie Shaver	Motorola C&E, Inc.
Jim Tucker	Motorola C&E, Inc.
Ronald Edwards	Roanoke County
S. A. Cable "Red"	County of Roanoke
R. E. Raper	General Electric
Al Beckley	City of Roanoke
Arthur T. Vandegrift, Sr.	City of Newport News
Robert T. Forrest	Communications Tech. Assoc.
Thomas V. Irving	Virginia Beach Police
Steve Souder	Arlington County VA ECC
Jim Melone	Department of Transportation
David H. Keeler	Henrico County
Robert J. Curtin, Jr.	Hampton Fire Department
Steven W. Thomas	Department of Agriculture
Michael B. Plaver	York County Dept of Fire & Rescue Service
Thomas S. Gallagher	York County Dept of Fire & Rescue Service
James Copony	Department of Forestry
Capt. Steve Eilert	Petersburg Police
Robert L. Smith	Norfolk, Virginia
Jennings C. Burton, Jr.	Marine Resources Commission
Bradley J. Friang	General Electric
Charles Hunter	Department of Game & Inland Fisheries
Gerard Smith	Chesterfield County Comm.
Carol Wade	Motorola
Mark Snyder	Motorola
John J. Eagler	Motorola
E. L. White, Jr.	State Police/APCO
Bill Marriott	City of Newport News
Michael Taylor	City of Newport News
Leo Godsey	City of Richmond
Melinda Bramley	Virginia Beach Police
Bill Taylor	Motorola
Weldon Hale	Region #20
Steve Bass	VCU
Chuck Niday	Department of Health, EMS
David M. Fitzgerald	Henrico County Police
Dean Jennings	Department of Criminal Justice Service
John Berti	General Electric

MINUTES

NPSPC Region 42 - Second General Meeting
October 25, 1988 - 1:30 p.m. - Monroe Building

The meeting was called to order by Harry Miller, Chairman of the Region 42 National Public Safety Planning Committee. He introduced the two subcommittee chairmen, Marty Berringer with Frederick Griffin, P.C. (technical subcommittee); and Jim Compony, State Department of Forestry (operations subcommittee). Mr. Miller gave an update of the planning effort.

As of October 21, three plans had been submitted to the FCC by other regions and all three had been rejected. One of those rejected only required a minor wording change and has since been resubmitted. New York's re-submitted plan had been accepted with reply comments due by November 9. The Florida plan had a flaw: The state was divided into seven sub-regions and the plan in effect said that this was the plan for sub-region A and the other six will be like this. The FCC did not buy this and said a plan must be submitted for the whole region. The state of Maryland plan is still in the formulation phase with a draft being compiled.

Mr. Miller indicated that there would be another meeting of this type in late January 1989 or early February. At that time there would be a preliminary rough draft; the comments and suggestions would be put together for a final draft in May/June, and a final plan submitted to the FCC in July. By that time several other plans would have been submitted and approved by the FCC which we would be able to review. A rough draft will also be submitted to APCO for their comments. An informal personal meeting with FCC personnel will also be requested prior to formal submission.

A document entitled "Intent of NPSPC Region 42 Communication Plan" was distributed to all attendees.

The plan will include:

- I. Establish the Region 42 Planning Committee as a permanent entity to process applications for public safety frequencies in the 800 MHz spectrum, 806-821/851-866 and 821-824/866-869 MHz:

This is seen as an ongoing process. The plan being approved will only be the beginning of the work. The Committee will be a permanent part of the application process. In order to be effective in any of the 800 MHz frequencies we will have to deal with them all. As part of the plan--both the 821 and 824 and 866/869 segments that we are working towards, but also the older segments of 806 - 821 and 851-866. Channelization was a big issue: whether we should have 12 1/2 or 25 KHz channels? One of the arguments of the 25 KHz as opposed to the 12 1/2 that the FCC was so adamant about was that if you use the 12 1/2 KHz approach they would not be totally compatible with the existing 800 MHz channelization. The FCC bought that. It is rather obvious that 800 MHz public safety spectrum is what we are talking about--not just the new 6 MHz.

- A. Certify to FCC that application complies with Plan.

Standing body will have to certify that the application complies with the plan.

- B. Make frequency recommendation to APCO.

Committee seen as doing requirements for specific frequencies or channels that applicants want to use--this initially will be part of the work of this committee; then to APCO for certification. Local frequency advisor is an active member of this committee.

Question: Regarding the planning committee, what type of personnel and how to be formed?

Answer: This is not planned yet, but probably by the time of the rough draft this will be decided. Open to ideas to submit to this group. Existing subcommittees to form the nucleus of group. Pictured as largely composed of the people who are involved in this effort now.

- II. Establish procedures for processing applications.

- A. Written submission; provision of forms.

Obviously, the applications will have to be formal; probably we will have to develop some sort of form similar to an FDR1 - something of that nature. The form to be submitted to formal committee for discussion, then to be ruled on.

- B. Upon rejection, resubmission with modification.

If rejected, must give reason for rejection to applicant; the applicant will have option to redo with changes indicated. If the applicant does not agree, they will be given opportunity to submit justification on why they want to do it the way indicated in the application.

Question: Are all areas of the region pretty well represented here?

Answer: Unsure. Mr. Miller called out the areas listed on the sign-in sheet to indicate which areas were represented.

By the way, notification of this meeting was sent to everyone on the mailing list; the list of everyone in attendance at the last meeting and everyone who has written or called expressing the slightest interest in this proceeding.

- C. Request for reconsideration.

The same sort of procedures used by the FCC.

- D. Appeal to FCC.

There will be a procedure for appeal to FCC.

Question: What about turnaround time and cost of this process?

Answer: I feel this is probably a detail that is going to be explored at great length. As far as I know, APCO has some procedure for assessing fees for their services. To my knowledge we do not. Most of the cost of operating this thing will have to be borne by the members of the public safety community, just as we are doing now. One goal will be to cut down on turnaround time. First applications could be an "ungodly mess."

Question: All of us have been through coordinated

Answer: I think the makeup of the group will be part of the plan so that everyone will know who they are as a group. We have not even discussed the makeup of that group.

- III. Establish the rules under which frequencies will be allocated and assigned:

A. In general, frequencies will be assigned only to an independent governmental entity (e.g. county, independent city).

We are saying this concerning every police, fire, (including volunteer fire depts.), every independent rescue squad, every school bus, and vet that applies under the rules of this plan: a license will be assigned only to an independent governmental entity. If a volunteer fire dept. came in with an application for frequencies, the license will be issued to the county, city, or in some cases it would be to more than one entity. A rescue squad typically serves the city and adjacent county so the license for these frequencies would be processed and will be issued only to that governmental entity.

Question: Would there be one blanket license for the all state agencies?

Answer: No idea at this time. At this stage, state agencies are going to be another applicant; whether there will be a blanket license for state agencies I can't say.

Question: How will applicants covering multiple jurisdictions be licensed?

Answer: I had visualized that there would be multiple licenses for that jurisdiction.

Question: Winchester and Frederick Counties jointly have an emergency dispatch system. Would there be separate licenses?

Answer: If they jointly established some sort of entity where they agreed formally, we would recognize that entity as the license applicant. That would mean we would not issue licenses to Frederick County and to Winchester, but only to that entity.

Question: I'm with Prince William County government. The example that you mentioned of the volunteer fire departments being able to go into this band. If the license was in the name of the government--the government might not have direct control over the volunteers. They are technically a private institution, private corporations. If there are violations of the rules or equipment that might not be acceptable, the licensee is the one going to be in trouble with the FCC. Has this been thought of as causing a problem?

Answer: As a matter of fact, what you are saying is one of the reasons that we decided that this is the way to do it. The sort of thing you are describing happens all the time. The question came up about volunteer fire depts: if they were operating under a license from the county and then there was a violation of FCC rules or some other thing, of course the FCC would go to the

licensee (the county). It is being done this way so there would be one entity that was accountable. It would then be in the interest of the county to more closely supervise or coordinate the work of their volunteer fire and rescue squads. In our opinion, there seems to be a lack of control. The same problem in the case of state agencies - all kinds of licenses for a multitude of state agencies. The licensee is Commonwealth of Virginia with my name at the bottom of the Form 574. There is, of course, the address and phone number on the 574 of the primary control point. With my name on the form, I feel that I have some responsibility to at least inform the state agencies of how the system needs to be operated and to look in on them once and a while to make sure that they, in a general way, do what they are supposed to do. There are a lot of situations where people give authorization for others to get on their frequency and the people that they authorize to get on authorize someone else. Pretty soon there is no traceable way to determine who is responsible--if someone is on there drunk or cussing, the people running the operation cannot identify the people who are on their system. This is one of the problems we had in this business in the past, and I think the FCC has in mind - maybe not that specifically but in general - that we should clean up our act in the future if we are to have the 800 frequency. There should be a party that is accountable to the FCC and to the public for the use of these frequencies.

The purpose of the committee would be to consider all of the factors in any given application. If somebody has a real justification for not wanting to be part of a governmental entity, we would consider it. But it would have to be - I say we - it's us: what this committee would be when the plan is in operation.

B. Allocation will be based on population; Each entity (county; independent city) will be entitled to a specified number of 800 MHz channels, including existing band and including existing licenses, based on its official population ("Virginia Population Projections 2000", Virginia Department of Planning & Budget.) Provision will be made so that eligibles not wishing to be part of a governmental entity may be accommodated.

No idea as to the number of 800 MHz channels available per unit of population. Probably would not be a linear function because many of these channels will be used in trunked systems. Remember that the efficiency of trunking is based on the fact that it is a non-linear function. One 10 channel

trunked system is more efficient than two 5 channel trunked systems; maybe 10 times as efficient as two 5 channel systems. The philosophy is that we would use official population as the basis for allocating a specific number of channels.

Regarding a provision to be made when eligibles not wishing to be part of a government entity; there are numerous ways that can be accomplished. The intent though is that the vast majority of channel assignments will be to government entities. We will just make provision for those who do not wish to, or for some reason cannot be part of a governmental entity, to not be excluded from frequencies in the spectrum.

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Question: Are the different governmental agencies going to be required to provide the committee with what they anticipate as future requirements for 800 systems or on the population for the state?

Answer: I think both. The mere existence of a governmental entity with a specific population would entitle it to a certain number of channels. Remember we are talking about the entire 800 MHz public safety spectrum, not just the new 6 MHz. Those people who already have some 800 MHz licensing would be counted in that. So, if they are applying for additional channels, they should show that this was part of some plan for the future. It would not automatically be licensed to that number of channels. If they come in and ask for 25 channels and already had 15, they would have to show why they needed the additional channels.

I believe that there will be other wording - at least our intent - in the plan to encourage as much as possible for maximum combined use of systems particularly in trunking. In order to make maximum use of channels that are available. This will take some education on our part. If you go into a police or fire dept. and try to talk to the head of agency about sharing their radio system with another you get, "no, my system is too busy now." It will be our job in the future to see that a police dept. that has a radio system with 5 channels on it - lets say they represent 5,000 people, (I'm pulling this figure out of the air), and they want more channels, we can say to them "We will give you two more channels if you let this other agency/other police jurisdiction with 25,000 more population on your system". It's going to be hard for them to see that adding another 25% activity to their system is going to more their system less busy, but with trunking that is exactly what would happen.

Question: During this planning process between now and next summer whenever the plan is finalized, are governmental entities in Region 42 area to be asked to get their anticipated requirements for the future?

Answer:

Yes, I would expect so. We are not requiring that now. In general in this region, I think the problem is most people don't see any reason for 800 at all. They certainly don't see it in the next 5 years and therefore, that's why we have such a relatively small turnout at these meetings. This is universal at all the regions except for the real heavily populated areas (New York, Dallas, Los Angeles). In most areas of this region, there are still plenty of existing channels, not only 800, but the older bands. If we asked in general for people to submit plans now, I think we would get a response from a few specific areas and hear nothing from other areas, or something very unrealistic. This is just my opinion.

Question: Are you going to have a provision for the agencies that obviously-10 years down the road-are not using 800, I would like to make sure that those channels are not turned back in the general pool of the FCC. The way it is set up now, you use it or lose it.

Answer: I am under the impression, and I may be wrong, that if once we have a plan accepted by the FCC which in a general way plans for the use of these frequencies in the region, that those channels are secure--that the FCC is not going to take them back unless we have not provided for certain geographical areas in the use of those channels. I don't think the plan would be accepted in the first place if that were true anyway. I think we have to show that we have made provision for all of the eligibles in the region. I think the FCC has to be satisfied in that before they will accept it. You have to remember that the FCC acceptance is only the first step in the process, the public comments and reply comments must come

on top of that before it can become part of the rules. I think that as long as we show a plan where communities or entities in the entire region are provided for that the FCC if it accepts that plan then those frequencies are secure. We have talked of people who will never go to 800 and there might be people near by who have used up their allocation and need more. Certainly there will be provision to address that.

Question: As population is used, is seasonal population increases used to consider allocations?

Answer: I think that what we would do is not use the population on a given day or certain time. I think probably we would pick some date in the future - 5 years, 10 years down the road.

Question: Was static population and seasonal increases such as tourism (in Virginia Beach) considered?

Answer: As far as can recall, it was not discussed.

Question: Seasonal population would have to be considered high or not be able to meet public safety needs?

Answer: We would have to supplement this official document with a realistic population. We can't be the first ones to address that. The FCC has a precedent set. Maximum must be considered. "People that come in from out of state are not the ones creating trouble, it's the local population."??? The intent is to allocate channels on the basis of the number of people and if the official population is not the way, we must reconsider.

Question: How did you slide off to the population thing as opposed to, in most jurisdictions, like to police dept. for example based on what their mission is and not by the number of units put out there? It seems we left out the immediate step of the number of police and fire, etc.

Answer: I think basing channel loading (the number of mobiles) is something that everybody agrees is a poor way to do it, but nobody has ever come up with a better way.

One of the problems we have here is that in this plan we are not talking about just police or just fire or just EMS or just highway maintenance, etc. They are all in there together. Obviously, loading for police is different, the whole scheme of things is different, than it is for EMS or fire. With police we have a roughly predictable level of activity--certain days of the month, certain months, certain hours of the day, are going to have more calls and then taper off - stuff like that. There is always the exception, the disaster; in general it is kind of predictable. Fire channels sit there idle for hours and all of a sudden they are far busier than a police channel is ever going to be - so the same criteria cannot logically please fire. We tossed this around and really thought that the number of people being served is a better way of allocating channels than the number of mobiles. A community or a county or a group of communities can get together and build a trunk system to serve everybody, at least in theory, far more efficiently than any number of individuals. There are people who have 800 trunk systems that may not agree with it, but I think that is the theory. I don't think we slid into population over mobiles. We talked about it a lot. We are not sure it's the very best way either, but I think we thought it was better than by mobiles or by number of

hours of activity. Another proposed way of doing things is to monitor the level of activity on channels. When you come up with results of such a survey, no one agrees. Then you get into such things as what is the essential traffic? You listen to a fire system or police system and say they are very busy, but half the stuff they are talking about on the air--they don't need to talk about.

C. Applicants which are licensed in other frequency bands will be required to submit a list of all present frequencies indicating which will be relinquished and a time frame for the process, along with a justification for those which are to be retained.

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The FCC has made an assumption that people who go enmass for 800 channels are probably going to be giving up some channels that they already have of the lower bands--not on the same day the new system is turned on but over time. It's our thought that if people have a lot of high or low band frequencies and now they want 800 mhz channels, the first thing we would ask them is which channels are they going to give up and in what order. Along with the justification of those which are to be retained, and if somebody said that we are not going to give up any of them, we need them too. If you can justify that you need them too, fine that will be part of it.

Question: How do you qualify what uses would justify for retention?

Answer: First off, the details of this we have only begun to consider. That is what we are going to be working on. I think it is the usual common sense things, how busy the channel are, how you plan to use the existing channels, burdens on support groups - adjacent communities. Example: Like Chesterfield's deal with the pagurs, a whole bunch of people would have to go out and buy new monitors and new paging receivers out of their own pocket. That wouldn't justify for every situation, but it would certainly say that you would not have to give up those frequencies today.

There is no hard, fast rule. I think it is reasonable that if somebody that has a bunch of scattered channels - UHF, high band, low band- now comes in for a greater high capacity 800 trunked system, anybody would expect that there be a lot of activity accommodated from some of these other frequencies. The Committee would expect to see some justification for those that were not going to be turned back in. There will be people for a long time in the future who will not have any need for 800 but sure need more high and low band and UHF. This will be a sore spot, but I'm sure that's what the FCC intends and we should encourage that process.

Question: How to define ensure people give up other channels? How to enforce-type of "stick" the committee can have?

Answer: No idea except to put in plan - plan ultimately will be an FCC rule.

Mr. Miller read 2 paragraphs from the FCC Report and Order: "Our decision regarding the disposition of vacated and unused frequencies will allow adequate time for identification of public safety requirements, but will also consider the needs for additional spectrum by other land mobile users and services."

"We do not see the need for public safety entities to shift their operation to the new 800 mhz spectrum to retain their lower band frequencies. The Commission has made a substantial new allocation of spectrum to meet present and foreseeable public safety needs. We expect that as licensees move up to this new spectrum, they will make every effort to give up lower band frequencies so that others may use them."

Our understanding of the situation is that if we put it in the plan, the plan is accepted by the FCC and goes through the rule making procedure and becomes a rule, then everything in the plan becomes an FCC rule.

D. A procedure will be established to reallocate relinquished frequencies. In general, such frequencies will revert to primary use by the service for which they were originally allocated.

The key phrase here is "in general"; there are always going to be many exceptions. There are those among us who are enjoying the use of frequencies which were originally allocated to other services. Ultimately all public safety channels will be in a pool for all public safety users.

IV. Provide for maximum communications interoperability between licensees:

We are not proposing to specify trunking standards in this one.

A. Eligibles directly involved in safety to the public (police, fire, EMS) will be required to equip mobiles with all five interoperation channels. Talk-around may be employed on the four interoperation communication channels.

In this new 6 MHz spectrum, the FCC has set aside five specific channels for intercommunication between eligibles-- one to be a calling channel and the other four communication channels. What we are saying is that eligibles that are directly involved in safety to the public (police, fire, EMS)

are a service to the public not a legally defined entity. They will be required to equip mobiles with all five interoperational channels. The rules specifically prohibit routine communication on the calling channels so that we don't see any need for talk around. By talk around we are speaking of simplex operation on the repeater transmit frequency.

U. Federal agencies will be eligible to be licensed in the five specified interoperation channels. Other liaison with Federal agencies will be accomplished by agreement with individual licensees.

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We do have to provide for federal agencies. There are five common channels we will let the federal agencies licensed in and put there units on there also, but other communications with federal authorities will be done by individual licensees. In general, in state and local government - State forestry people deal heavily with federal forestry people - so they have their own communications arrangements. Many of the cities and counties have their own arrangements with local FBI units,--that sort of thing. No need seen for any special interoperation/communication arrangement on a regional basis for federal people. This is the way we propose to accomplish this.

Question: Do you think five is going to be enough?

Answer: I am sure that there are areas where five will not be enough, but in our thinking that is a what you would call a "local problem." In those areas the channels that are available to be used in any number of ways, they don't have to be combined into a trunking system. We are not spelling all of that out. Certainly there are areas where more channels will be set aside for intercommunication between different eligibles and different groups. We are saying that we are not requiring anybody else to put both channels in their units. Again, some time in the future this might have to be revised and we might end up with a situation where we would indeed need more than five channels region-wide in which case we will define five more channels, then require all these safety-to-the public involved groups to equip all mobiles with these additional channels; but at the present time we are not ready to do this nor are we willing to in general allow federal people any additional frequencies. If a jurisdiction has a need to operate with some government agency and wants them on their channels that is fine. That will be a local agreement and submitted to this committee who will approve it or not approve it. I am sure that in the Tidewater area the need for intercommunication is very very great. I suspect that for them five channels will not be enough. That is a local issue, not a regional issue.

C. No encryption will be permitted on the interoperation channels. Encryption will be allowed on working channels with agreement between all parties involved.

No encryption will be permitted on the five channels. We felt that any kind of encryption or signaling would destroy the purpose for what the intent is. Remember these five channels are nationwide, and we are talking interoperation between not only people within this region, but in adjacent regions. On a shared trunk system that could be a lot of parties, but if they all agree and want to use some encryption scheme there would be no objection.

V. Establish procedures for resolving interference problems:

A. Licensees will be expected to comply with recommendations made as a result of this procedure.

This is the only place where we talked about a stick. If there is a problem of interference that comes as a result of this group's action or lack of action, there will be a technical or operations committee that would look in it. Whatever recommendations that they come up with, people would be expected to comply with them.

B. Recommendations will be made for minimum performance specifications for systems and equipment. Where licensees elect to utilize systems or equipment not meeting these minimums, they must accept any interference or performance degradation which may result.

These are recommendations - nothing is mandated. The old question comes up that if somebody is willing to get less expensive equip and is willing to live with what they get, should they not be allowed to? Anyway if there is something in your system that has the potential that causes you to have less than optimal performance and it works and 7 years later someone comes in 10 miles from you - that you never anticipated - and now you have this interference - they don't have any interference but you do, that's a sad story. I'm not saying that we wouldn't look into that, what I am saying that if you chose to use equipment with less than minimum specifications, then you have to live with the results.

Question: Will there be steps to be taken on how to handle the interference?

Answer: Yes. The steps that we would recommend might be for you to move your system/antenna-not the other people. Recommendation should be based on the best technical and operational expertise at our disposal.

C. In general, coverage will be required to be limited, by controlling ERP and antenna height, to legal area of jurisdiction. Specific requirements to operate beyond these boundaries will be addressed on an individual basis where justified.

For example, we have a police/sheriff's department that is 400 miles from Richmond and twice a month they travel to Richmond to pick up prisoners. Some would like to have their radio system cover the entire highway to Richmond. Some do. We do not think this would be justified. On the other hand, if the same sheriff's department had a contract with another county 20 miles away for routine support, of course they would probably want to operate on the other system. If someone had a legitimate need for routine coverage beyond their normal legal jurisdictional area, we would provide for that.

D. Several alternatives to the aircraft communication problem are being considered, including advisability of dedicated conventional channels.

Alternatives being considered include dedicated conventional channels.

VI. Coordinate frequency assignments with adjacent regions:

A. Requests for operation within 70 miles of adjacent region boundary will be referred to joint committee with the region involved. If necessary, final resolution will be by APCO steering committee or other recognized inter-region appeal body.

The FCC had mentioned in the rule that the regions will be allowed to establish inter-regional committees or bodies by themselves. They did not mandate that, but said it would be all right if we did that.

Also, APCO has a steering committee for this national planning effort, I'm not sure that it is totally in place or exactly what they are going to do. It is conceivable that they could end up as a inter-regional appeal body. The FCC may ultimately designate some other body. We are presuming that the other regions will face this problem somewhat in same way we do and that there will be joint representation on some level to work out the details of inter-regional boundary considerations. There are a lot of details to work out, and we don't know all the answers to those details. We are going to still be looking for comments in coming up with this rough draft plan.

It is planned that everyone on the mailing list a copy will receive a copy in advance of the meeting to allow everyone time to look over and comment. Whatever plan is accepted, provision will be made for modifications. Basically, we will have to live with the plan for a very long time so we must do the best job we can.

A representative from Region 20 commented that we (Regional 42) were covering the same ground that they were. Hitting the same pitfalls. It would be helpful to you (regional 42) to come up with a priority listing type - very similar to what Texas used. This could be a basis for use of the new channel and see what an individual is loading, is he loading properly or is he wasting channels, and you want to use that same formula for his obligation for take backs and then turn that same formula and start using for how you redistribute the take backs. They are working on establishing a formula that would keep them from being criticized for changing the game for people. They are trying to get to that formula.

Motion was made to adjourn meeting by William Marlott and seconded by Tom Sanders.

NPSPC REGION 42 OPEN COMMITTEE MEETING OCTOBER 25, 1988

Attendees:

Don Brown	City of Portsmouth
Clarence Stegall	City of Portsmouth
Melinda Bramley	City of Virginia Beach
Thomas Irving	City of Virginia Beach
Robert Smith	City of Norfolk
Lt. Robert Curtin	City of Hampton
Leslie Carter	City of Hampton
Bill Harriott	City of Newport News
Arthur Vandergriff	City of Newport News
Leo Godsey	City of Richmond
Julian Rittenhouse	City of Charlottesville
Homer Sanders	Frederick County
Roy Shrout	Fairfax County
Sam Somers	Prince William County
Charles M. Shaver	Motorola
Ronald Edwards	Roanoke County
Herb Patterson	Henrico County
Tim Copony	Subcommittee chairman
	Department of Forestry
Lyn White	Department of State Police
C. M. G. BATTERY	Department of Health
Dean Jennings	Department of Criminal Justice
	Services
Lester Milholen	Marine Resources Commission
Martin Barringer	Subcommittee Chairman Region 42
	Frederick G. Griffin, P.C.
Bob Forrest	Communications Technology
	Associates
Carol Wade	Motorola
Bill Taylor	Motorola
Jim Tucker	Motorola
R. E. Raper	General Electric
Jane Stanley	General Electric
Weldon Hale	Chairman, Region 20
Steve Souder	Sub-committee Chairman Region 20
	Arlington County
Harry Miller	Chairman, Region 42
	Department of Information
	Technology

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ATTENDEES

NPSPC Region 42 - Third General Meeting
June 14, 1990 - 1:30 P.M. - Richmond, Virginia

Roy I. Lloyd, Jr.	City of Radford
Jim Copony	Dept. of Forestry
Bradley D. Eubank	E.P. Johnson Co.
Harry J. Miller	Va DIT, Chairman
Bill Taylor	Motorola
Jack Ball	Louisa County
Gerry Smith	Chesterfield County
Bernie Cowardin	Chesterfield County
Homer Sanders	Frederick County
Frank Spury	Winchester - Fred. County
E.L. White, Jr.	Va State Police/APCO
Harry Yoemans	City of Norfolk
William Bannister	City of Richmond
Marty Barringer	Frederick G. Griffin P.C.
John Eagler	Motorola
Steve Suuder	Arlington County, Va ECC & Region 20
E.J. Sordeleit	Henrico County Police
A.F. Vincent	Va Dept. Emergency Services
Arthur T. Vandergrift, Sr.	City of Newport News
Bill Marriott	City of Newport News
Ronald S. Edwards	Roanoke County
Jeff Pegram	Va DEMS
Sam Somers	APCO & Prince William Co. Va

MINUTES

NPSPC Region 42 - Third General Meeting
June 14, 1990 - 1:30 P.M. - Richmond, Virginia

Meeting called to order at 1:35 P.M. by Harry Miller, Chairman, Region 42 Planning Committee.

Mr. Miller introduced the subcommittee chairmen: Jim Copony, State Department of Forestry, Operations; Marty Barringer, Frederick G. Griffin P.C., Technical.

Copies of a draft of the regional plan were distributed to all attendees. After some preliminary discussion and clarification, the meeting recessed for approximately thirty minutes to allow the attendees to peruse the draft and prepare for detailed discussion.

When the meeting resumed, considerable discussion took place primarily concerning the concepts of the minimum number of channel allocations based on population as opposed to numbers of units and that of applications being made by political entities (cities and counties) rather than by individual entities such as volunteer rescue squads.

After the conclusion of the discussion period, Mr. Miller outlined a time frame for finalizing the Plan: requests for copies of draft to be received through June 22; draft copies to be in hands of requestors by July 1; written comments to be received by chairman through August 1; Plan to be finalized and ready for submission to FCC by September 1.

After final comments, the meeting was adjourned by the chairman at approximately 3:30 P.M.



COMMONWEALTH of VIRGINIA

Department of Information Technology

110 SOUTH SEVENTH STREET
RICHMOND, VIRGINIA 23219
(804) 344-5000

J. WESTWOOD SMITHERS, JR.
Director

TDD VOICE - TEL. NO.
371-8076

August 23, 1990

Mr. Walter Dixon, Chairman
Region 20 Plan Review Committee
State of Maryland
301 W. Preston Street
Room 1304R
Baltimore, Maryland 21201

Dear Mr. Dixon:

The Region 42 Planning Committee is in the final stages of preparing the regional plan for submission to the Federal Communications Commission. One problem remains to be resolved which directly involves Region 20 as well.

A major FCC requirement is that each plan must address the specifics of channel allocation in the areas which are adjacent to the boundaries of neighboring regions. The boundary between Regions 20 and 42 is such that part of the state of Virginia lies in both regions, while Maryland and the District of Columbia lie entirely within Region 20. This makes it difficult to allocate channels for use by the Commonwealth of Virginia (state government). It is desirable from both spectrum usage efficiency and operational considerations that common channels be used throughout the state regardless of regional boundaries.

We therefore propose to include those portions of Virginia which lie in Region 20 with the Region 42 allocation to the Commonwealth of Virginia. In this manner we can ensure efficient use of the spectrum by the Commonwealth. This will require close coordination between regions in the overlap area. To accomplish this in the most efficient manner possible we will use the same channel allocation program used in Region 20, the CET program.

If you will indicate concurrence by Region 20 in this procedure, we will include this information in the Region 42 plan.

Yours truly,

Harry J. Miller

Harry J. Miller, Chairman
NPSPC Region 42

AN EQUAL OPPORTUNITY EMPLOYER

Public Safety Radio Communications Plan
Region 20¹⁴
Maryland, Washington, D.C. and Northern Virginia
Regional Plan Review Committee

Mailing Address:
Walter P. Dixon, Chairman, Region 20
State of Maryland
Department of General Services
Office of Telecommunications Management
State Office Building
801 West Preston Street, Room 1304 R
Baltimore, MD 21201
301-225-4479 FAX 301-333-5163



September 26, 1990

Mr. Harry J. Miller, Chairman
Region 42 Planning Committee
Commonwealth of Virginia
Department of Information Technology
110 South Seventh Street
Richmond, Virginia 23219

Dear Mr. Miller:

The Region 20 Review Committee concurs with your proposal to include those portions of Virginia which lie in Region 20 into the Region 42 allocation to the Commonwealth of Virginia. In this manner we can ensure efficient use of the spectrum and compatibility between regions. Both our plans include a standing review committee with the responsibility to coordinate with neighboring regions. We look forward to working with your committee in assuring future compatibility with your region.

Thank you for your cooperation and my congratulations to your committee on the completion of your plan.

Sincerely yours,

Walter P. Dixon

Walter P. Dixon
Chairman

WPD/mdw

* Adopted by the Federal Communications Commission on March 26, 1990



COMMONWEALTH of VIRGINIA

Department of Information Technology

110 SOUTH SEVENTH STREET
RICHMOND, VIRGINIA 23219
(804) 344-5000

J. WESTWOOD SMITHERS, JR.
Director

TDD VOICE - TEL. NO.
371-8076

January 11, 1991

Mr. J. Danny Hickman, Chairman
National Planning Region 31
Emergency Communications Center
County of Wilson
P.O. Box 1728
Wilson, North Carolina 27894-8300

Dear Sir:

National Public Safety Planning Region 42 (Virginia outside Region 20) is preparing to formally submit the 821-824/866-869 Megahertz Plan it has developed to the Federal Communications Commission for acceptance. The commission has indicated that the submission should include a statement of concurrence or objection from each adjacent region. It is therefore requested that you indicate your position on the form provided at the end of this letter.

You will note that we have employed the CET packing program for channel allocation in our Plan. A portion of the state of Virginia falls into Region 20 (Maryland, District of Columbia, and northern Virginia); as a result, there will be numerous users who will be licensed in both regions. It is therefore mandatory that the channel allocation schemes for both regions be closely integrated, and in fact the CET programs have included the areas of common concern as well those immediately adjacent. In addition, the commission has indicated through APCO that they will be more receptive to this program unless substantial justification for another is provided. The commission has completed an informal preliminary review of this Plan and it incorporates all of their recommendations, particularly as regards the channel allocation scheme.

We intend to submit the Plan to the commission prior to March 1, 1991. We would therefore appreciate your early response. If we have not received your indication to the contrary by February 15, 1991, we will assume that you have no objection to the Region 42 Plan as presented.

Please call me at (804) 344-5633 if you have any questions. Thank you very much for your cooperation.

Yours truly,

Harry J. Miller

Harry J. Miller, Chairman
National Planning Region 42

_____ We have no objection to the Region 42 Plan as presented.

_____ We have the following objection to the Region 42 Plan as presented:

(Signed)

(Date)

Chairman Convenor, Region _____
(Indicate which)

Letters sent to:

Mr. J. Danny Hickman
Region 31
Emergency Comm. Center
PO Box 1728
Wilson NC 27894

Mr. Walter Dixon
Region 20
State of Maryland
Room 130 R
301 W Preston St
Baltimore MD 21202

Mr. David Wolfe
Region 39
TEMA
3041 Sidco Drive
Nashville TN 37204

Mr. Jack Sharpe
Region 17
KY State Police
1240 airport Rd
Frankfort KY 40601

Mr. Jack Pase
Region 44
Emergency Medical Services
PO box 901
Big Chimney, W VA 24302

REGION 42 COMMITTEE MEMBERSHIP

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DIV OF TELECOMMUNICATIONS
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CHARLOTTESVILLE VA 22903
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LYNCHBURG VA 24502
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MUNICIPAL CENTER
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GE, MOBILE COMMUN. DIV
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MICHAEL PLAYER
YORK COUNTY
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JAMES MELONE
DEPT OF TRANSPORTATION
EQUIPMENT DIVISION
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GENERAL ELECTRIC
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JOHN EAGLER
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CHARLES NIDAY
DIVISION OF EMS
1538 E PARHAM
RICHMOND VA 23228
804-371-3500

APPENDIX B

8. Jurisdictional Concurrence (300 points maximum) - A letter of concurrence will be requested from the chief administrative official of the jurisdiction (or jurisdictions) covered by the application. The official will be asked to rate the application according to the perceived benefit to the public for which the official is responsible.

SERVICE RATINGS		
Service Category	Minimum Rating	Maximum Rating
<hr/>		
Local Government - Transit Systems	50	300
Local Government - School Boards	0	200
Local Government - Administration	0	250
Local Government - Facilities Maintenance	50	250
Local Government - Utility Operations	0	250
Local Government - Security Patrols	0	250
Local Government - Other Functions	0	250
Law Enforcement	150	350
Fire	150	350
Forest Fire Suppression	150	350
Forestry/Conservation	100	350
Highway Maintenance	100	350
Medical Services - Hospitals	50	250
Medical Services - Invalid Coach	0	100
Medical Services - Physicians & Oral Surgeons	0	200
Rescue - Basic and Advanced Life Support	150	350
Physically Handicapped	0	100
Veterinarians	0	100
Disaster Relief Organization	50	200
School Buses - Private Under Contract	0	100
School Buses - Local Government-Operated	0	150
School Buses - Part of EMA Evacuation Plan	50	200
Beach Patrols	0	200
Isolated Area Communications	0	150
Communications Standby Facilities	0	50
Repair of Communications Facilities	0	50

CHANNEL ALLOCATIONS FOR REGION 42 (con't)

LOCATION	CHANNELS
HALIFAX COUNTY	607 802 822
HAMPTON CITY *	602 622 642 662 682
HANOVER COUNTY *	624 648 668
HARRISONBURG CITY	603 623 825
HENRICO COUNTY	616 618 636 641 656 784 786 807 809
HENRY COUNTY	612 632 820
HIGHLAND COUNTY	609 803 823
HOPEWELL CITY	604 801 821
ISLE OF WIGHT COUNTY	634 656 811
JAMES CITY COUNTY	629 649 780
KING GEORGE COUNTY	650 692 803
KING WILLIAM COUNTY	611 631 817
KING AND QUEEN COUNTY	635 777 798
LANCASTER COUNTY	620 786 811
LEE COUNTY	605 802 822
LEXINGTON CITY	605 625 822
LOUISA COUNTY	621 651 818
LUNENBURG COUNTY	617 640 814
LYNCHBURG CITY	604 803 823
MADISON COUNTY	618 786 810
MARTINSVILLE CITY	603 623 824
MATHEWS COUNTY	614 800 821
MECKLENBURG COUNTY	620 642 809
MIDDLESEX COUNTY	608 788 814
MONTGOMERY COUNTY	611 631 817
NELSON COUNTY	626 784 806
NEWPORT NEWS CITY *	652 654 672 674 692 712 732
NEW KENT COUNTY	633 658 782
NORFOLK CITY *	604 608 610 624 628 644 648 664 668
	684 688
NORTON CITY	603 623 824
NORTHAMPTON COUNTY	616 636 818
NORTHUMBERLAND COUNTY	624 783 809
NOTTOWAY COUNTY	603 623 820
ORANGE COUNTY	630 783 807
PAGE COUNTY	608 629 819
PATRICK COUNTY	616 636 822
PETERSBURG CITY	608 799 819
PITTSYLVANIA COUNTY	605 625 816
POQUOSON CITY	612 632 824
PORTSMOUTH CITY *	630 650 670 690 710
POWHATAN COUNTY	644 664 797
PRINCE GEORGE COUNTY	612 796 816
PRINCE EDWARD COUNTY	619 772 795
PULASKI COUNTY	607 627 821
RADFORD CITY	602 805 825
RAPPAHANNOCK COUNTY	624 644 823
RICHMOND CITY *	610 614 630 634 650 654 670 674 690
RICHMOND COUNTY	616 769 807
ROANOKE CITY *	606 626 646 666
ROANOKE COUNTY *	618 640 660 680

CHANNEL ALLOCATIONS FOR REGION 42 (con't)

LOCATION	CHANNELS
ROCKINGHAM COUNTY	636 656 808
ROCKBRIDGE COUNTY	617 643 810
RUSSELL COUNTY	610 796 816
SALEM CITY	603 804 824
SCOTT COUNTY	615 788 811
SHENANDOAH COUNTY	647 667 803
SMYTH COUNTY	606 798 818
SOUTHAMPTON COUNTY	611 631 817
SOUTH BOSTON CITY	603 623 824
SPOTSYLVANIA COUNTY	610 646 813
STAUNTON CITY	602 800 820
SUFFOLK CITY *	680 700 720
SURRY COUNTY	647 758 778
SUSSEX COUNTY	625 787 808
TAZEWELL COUNTY	612 632 814
VIRGINIA BEACH CITY	613 618 620 626 633 640 646 660 779 785 799 803 805 816 820 823 825
WARREN COUNTY	610 805 825
WASHINGTON COUNTY	608 800 821
WAYNESBORO CITY	604 624 822
WESTMORELAND COUNTY	652 686 796
WILLIAMSBURG CITY	603 802 822
WINCHESTER CITY	607 627 821
WISE COUNTY	613 793 813
WYTHE COUNTY	604 624 823
YORK COUNTY	619 793 815
VIRGINIA DIVISION 1	627 711 736 774 805 825
VIRGINIA DIVISION 2	612 632 672 690 731 767
VIRGINIA DIVISION 3	658 661 681 749 769 793
VIRGINIA DIVISION 4	644 664 684 782 784 807
VIRGINIA DIVISION 5	606 694 726 747 765 767
VIRGINIA DIVISION 6	652 673 693 760 778 780
VIRGINIA DIVISION 7	617 619 659 709 787 816
REGIONAL MUTUAL AID	638 676 714 752 790

* Old equipment requiring even channel numbers

REGION 42

UNALLOCATED CHANNELS

653	716	750
655	717	754
657	718	755
663	719	756
665	721	757
669	723	759
671	725	761
679	727	762
685	728	763
687	729	764
689	730	766
691	733	768
695	734	770
696	735	773
697	737	775
698	738	776
699	739	781
701	740	826
703	741	827
705	743	828
706	745	829
707	746	830
708	748	

CO-CHANNEL INTERFERENCE PROCEDURE

1. Determine the distance from the proposed station to the existing station.
2. If not previously known, determine the service area boundary of existing stations.
3. Find distance from proposed station to closest point of service area boundary of the existing stations. (Subtract #2 from #1)
4. Based on mileage from #3 (above), ERP and HAAT of the proposed station, use the same methods as used in service area calculations to determine signal strength at the existing jurisdiction's service area contour.
5. Subtract this dBu level from 40. If the result is greater than 35, the proposed system will conform with the interference parameters. If the result is less than 35, the proposed system must be redesigned by lowering power, antenna height, or both until the 35 dB protection ratio is met.

Note: If the terrain between the two systems would provide additional protection that would not be evident from using the normalized HAAT's, it will be permissible to calculate the HAAT of both existing and proposed systems along the radial line directly connecting the two stations. The resulting service area boundary of the existing station and the dBu level of the proposed station at that point would then be used to calculate the protection ratio.

EXAMPLE

Station A (proposed)	Station X (existing)
ERP: 100W (-10 dBk)	200W (-7 dBk)
HAAT: 500 feet	200 feet
Distance from A to X: 46 miles	
Service Area Boundary: 13 miles	11 miles

46 miles - 11 miles = 35 miles, distance from proposed to service area boundary of existing station.

From radial calculations, dBu level at 35 miles from station with an ERP of 100 watts and HAAT of 500 feet may be:

$$25.5 - 10 = 15.5 \text{ dBu}$$

Subtracting this amount from the defined 40 dBu level at the service area boundary of the existing stations gives 24.5 dB of protection, or 5.5 dB less than the required minimum. Thus either the ERP should be lowered by 5.5 dB or the antenna lowered to bring the station into compliance with the required minimum.

ADJACENT CHANNEL INTERFERENCE PROCEDURE

1. Determine the distance from the proposed station to the existing station.
2. If not previously known, determine the service area boundary of the existing stations.
3. Find distance from proposed station to closest point of service area boundary of the existing stations. (Subtract #2 from #1)
4. Based on mileage from #3 (above), ERP and HAAT of the proposed station, use the same methods as used in service area calculations to determine signal strength at the existing jurisdiction's service area contour.
5. Subtract this dBu level from 40. If the result is greater than 15, the proposed system will conform with the interference parameters. If the result is less than 15, the proposed system must be redesigned by lowering power, antenna height, or both until the 15 dB protection ratio is met.

Note: If the terrain between the two systems would provide additional protection that would not be evident from using the normalized HAAT's, it will be permissible to calculate the HAAT of both existing and proposed systems along the radial line directly connecting the two stations. The resulting service area boundary of the existing station and the dBu level of the proposed station at that point would then be used to calculate the protection ratio.

EXAMPLE

Station A (proposed)	Station X (existing)
ERP: 100W (-10 dBk)	200W (-7 dBk)
HAAT: 500 feet	200 feet
Distance from A to X: 46 miles	
Service Area	
Boundary: 13 miles	11 miles

46 miles - 11 miles = 35 miles, distance from proposed to service area boundary of existing station.

From radial calculations, dBu level at 35 miles from station with an ERP of 100 watts and HAAT of 500 feet may be:

$$25.5 - 10 = 15.5 \text{ dBu}$$

Subtracting this amount from the defined 40 dBu level at the service area boundary of the existing stations gives 24.5 dB of protection, or 9.5 dB more than the required minimum. Thus, this station conforms to the adjacent channel requirements.

REGION 42 SUB-REGIONS

WESTERN	CENTRAL	EASTERN
ALLEGHANY COUNTY	ALBEMARLE COUNTY	ACCOMACK COUNTY
AUGUSTA COUNTY	AMELIA COUNTY	CAROLINE COUNTY
BATH COUNTY	AMHERST COUNTY	CHARLES CITY COUNTY
BLAND COUNTY	APPOMATTOX COUNTY	CHESAPEAKE CITY
BOTETOURT COUNTY	BEDFORD CITY	COLONIAL HEIGHTS CITY
BRISTOL CITY	BEDFORD COUNTY	EMPORIA CITY
BUCHANAN COUNTY	BRUNSWICK COUNTY	ESSEX COUNTY
BUENA VISTA CITY	BUCKINGHAM COUNTY	FRANKLIN CITY
CARROLL COUNTY	CAMPBELL COUNTY	GLOUCESTER COUNTY
CLARKE COUNTY	CHARLOTTE COUNTY	GREENSVILLE COUNTY
CLIFTON FORGE CITY	CHARLOTTESVILLE CITY	HAMPTON CITY
COVINGTON CITY	CHESTERFIELD COUNTY	HOPEWELL CITY
CRAIG COUNTY	CULPEPER COUNTY	ISLE OF WIGHT COUNTY
DICKENSON COUNTY	CUMBERLAND COUNTY	JAMES CITY COUNTY
FLOYD COUNTY	DANVILLE CITY	KING AND QUEEN COUNTY
FREDERICK COUNTY	DINWIDDIE COUNTY	KING GEORGE COUNTY
GALAX CITY	FLUVANNA COUNTY	KING WILLIAM COUNTY
GILES COUNTY	FRANKLIN COUNTY	LANCASTER COUNTY
GRAYSON COUNTY	FREDERICKSBURG CITY	MATHEWS COUNTY
HARRISONBURG CITY	GOOCHLAND COUNTY	MIDDLESEX COUNTY
HIGHLAND COUNTY	GREENE COUNTY	NEW KENT COUNTY
LEE COUNTY	HALIFAX COUNTY	NEWPORT NEWS CITY
LEXINGTON CITY	HANOVER COUNTY	NORFOLK CITY
MONTGOMERY COUNTY	HENRICO COUNTY	NORTHAMPTON COUNTY
NORTON CITY	HENRY COUNTY	NORTHUMBERLAND COUNTY
PAGE COUNTY	LOUISA COUNTY	PETERSBURG CITY
PULASKI COUNTY	LUNENBURG COUNTY	POQUOSON CITY
RADFORD CITY	LYNCHBURG CITY	PORTSMOUTH CITY
ROANOKE CITY	MADISON COUNTY	PRINCE GEORGE COUNTY
ROANOKE COUNTY	MARTINSVILLE CITY	RICHMOND COUNTY
ROCKBRIDGE COUNTY	MECKLENBURG COUNTY	SOUTHAMPTON COUNTY
ROCKINGHAM COUNTY	NELSON COUNTY	SUFFOLK CITY
RUSSELL COUNTY	NOTTOWAY COUNTY	SURRY COUNTY
SALEM CITY	ORANGE COUNTY	SUSSEX COUNTY
SCOTT COUNTY	PATRICK COUNTY	VIRGINIA BEACH CITY
SHENANDOAH COUNTY	PITTSYLVANIA COUNTY	WESTMORELAND COUNTY
SMYTH COUNTY	POWHATAN COUNTY	WILLIAMSBURG CITY
STAUNTON CITY	PRINCE EDWARD COUNTY	YORK COUNTY
TAZEWELL COUNTY	RAPPAHANNOCK COUNTY	
WARREN COUNTY	RICHMOND CITY	
WASHINGTON COUNTY	SOUTH BOSTON CITY	
WAYNESBORO CITY	SPOTSYLVANIA COUNTY	
WINCHESTER CITY		
WISE COUNTY		
WYTHE COUNTY		

CLEAR TEXT GUIDE

WORDS AND PHRASES	APPLICATION - EXAMPLES
STANDARD REPLIES	
• Affirmative	Yes
• Can Handle	Used with the amount of equipment needed to handle the incident. EX: "Waverly 3 can handle with units now at scene."
• Copy, Copies	Used to acknowledge message received. EX: "Engine 3 copies."
• Disregard	Used to cancel a previous response.
• Go Ahead	Indicates another unit may transmit. EX: "Go ahead, Engine 2"
• How do you copy?	Request for report on transmission quality.
• Loud and Clear	Self-explanatory
• Negative	No
• Repeat	Say message again.
• Standby	Wait briefly for my response.
• Unreadable	Signal received is not clear.
STATUS REPORTING	
• At Scene	Used when units arrive at the scene of an incident.
• Available (location)	Ready to respond to calls. Location is optional.
• Available at Residence	Indicates personnel are available and on-call at home.
• Available at Scene	No longer needed at scene and are available to respond to other calls.
• Enroute	Used to designate a non-emergency destination. Enroute is not a substitute for responding.
• In-quarters (location)	Used to indicate that a resource is at station. EX: "Engine 7 in-quarters."
• In-Service	Unit is operating but not in response to a dispatch.
• Off Duty (location)	Used to sign off when going off duty and are unavailable for calls.
• Out-of-Contact (location)	Indicates unit is still on duty, but out of radio contact at the location specified.
• Out-of-Service (location is optional)	Indicates unit is not available due to mechanical problems.

WORDS AND PHRASES	APPLICATION - EXAMPLES
STATUS REPORTING (continued)	
• Respond, Responding	Used in dispatch - proceed to or proceeding to an incident. EX: "Salem 4, respond to ..." or "Salem 4, responding to ..."
• Return to, Returning to	Used to direct units that are available to a station or other location.
• Uncovered	Indicates a unit is not in-service due to no personnel to operate it.
INFORMATIONAL	
• Burning Operation (specify if illegal)	Used when units arrive at the scene.
• Call _____ by phone.	Self-explanatory.
• Contact (message).	Relay message to person named.
• Emergency Traffic	Used to gain control of the radio channel to report an emergency.
• Emergency Traffic Only	Confine all radio transmissions to an emergency in progress or a new incident. Used by base.
• ETA (location)	Estimated Time of Arrival.
• False Alarm	Self-explanatory
• Fire	Fire emergency requiring a response. Specify structure, field, forest, etc.
• Fire Under Control	Self-explanatory
• Is _____ available for a phone call?	Self-explanatory
• Let me talk to _____.	Self-explanatory
• No smoke or fire	Response to "Report on Conditions", if appropriate.
• Report on Conditions	Used to request a brief report on an active incident. EX: "Base to Unit 4, Report on conditions of Red Hill Fire"
• Resume normal traffic	Self-explanatory. Used by base.
• Signing on, signing off	Self-explanatory. Used by base.
• Smoke	Suspected or unconfirmed fire.
• Weather	Specify report or forecast.
• What is your location?	Self-explanatory.

EVALUATION CRITERIA

The following evaluation will be made of each application received during an application period to determine priorities when the requests for frequencies exceed the available spectrum. Channels will be allocated starting with the applications receiving the highest score and will continue until all available channels are allocated.

Applications will be evaluated according to the following criteria:

1. Service (350 points maximum) - Each eligible service has a predetermined range of rating points and each application will be evaluated accordingly (see chart of Service Rating). When an applicant is eligible for more than one service, the activity in each service will be rated separately and then a percentage of the points will be awarded in each service based on the percentage that each service represents of the total system.
2. Interservice Communications (100 points maximum) - Each application will receive points based on the degree of interoperability that is demonstrated. Interoperability shall not depend on the inclusion of the mandated National Common Channels (or regional mutual aid channels) but on the proposed ability to communicate with different levels of government and services during time of emergencies.
3. Loading (150 points maximum) - Those applicants that have demonstrated that they are part of a cooperative, multi-organizational system will be rated on the extent of that cooperation.
4. Spectrum Efficient Technology (100 points maximum) - This category rates the application on the degree of spectrum efficient technology that is demonstrated. A trucked system would be considered a "spectrum efficient technology" as well as any technological features that are designed to enhance the efficient use of the spectrum.
5. Systems Implementation (50 points maximum) - This category scores the application on two factors: budgetary commitment and planning completeness. The time tables for the implementation of the proposed system will be used to evaluate this category.
6. Geographic Efficiency (50 points maximum) - Each application will be scored on the level of geographical efficiency for the area. Scoring will be based on the ratio of area (square miles) covered by the applicant's system to the maximum possible geographic area that can be covered. The maximum possible geographic area is defined by the maximum limit of the 40 dBu contour for the jurisdiction. The higher the ratio, the more efficient the use of the geographic area.
7. Givebacks (200 points maximum) - The application will be scored on two factors: the number of channels given back and the degree of reusability of the give backs (each 100 points maximum).

EXHIBIT 5

COMPARATIVE PROGRAM SCHEDULES

July 18-24, 1998
TV Guide
Eastern Virginia Edition

Saturday, July 18

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
5:00 AM		
5:30		
6:00		
6:30		
7:00	Painting w/ Brenda Harris	Arthur
7:30	From a Country Garden	Arthur
8:00	Victory Garden	Watercolor Workshop
8:30	This Old House	Sew Many Quilts
9:00	Hometime	Keeping You in Stiches
9:30	Woodwright's Shop	Graham Kerr's Kitchen
10:00	New Yankee Workshop	Great Food
10:30	About Your House	Cookin' Cheap
11:00	Mollie Katzen	Mollie Katzen
11:30	Incredible Cuisine	Regina's Vegetarian Table
12:00 PM	Woof! It's a Dog's Life	Christina Cooks
12:30	Victory Garden	Victory Garden
1:00	Kaye's Quilting Friends	About Your House
1:30	Spirit of Cross-Stitch	This Old House
2:00	Martha's Sewing Room	New Yankee Workshop
2:30	Yan Can Cook	Hometime
3:00	Cookin' Cheap	Woodwright's Shop
3:30	Motorweek	At Garden's Gate
4:00	Debbie Travis' Painted House	Anyplace Wild
4:30	Anyplace Wild	Woof! It's a Dog's Life
5:00	Travels in Europe	Austin City Limits

Saturday, July 18

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
5:30	Virginia Currents	Austin City Limits
6:00	This Week in Business	Healthweek
6:30	All Aboard	Living in Virginia
7:00	Lawrence Welk	Antiques Roadshow
7:30	Lawrence Welk	Antiques Roadshow
8:00	Ballykissangel	Keeping Up Appearances
8:30	Ballykissangel	To the Manor Born
9:00	Keeping Up Appearances	As Time Goes By
9:30	As Time Goes By	Last of the Summer Wine
10:00	'Allo 'Allo	Vicar of Dibley
10:30	Vicar of Dibley	'Allo 'Allo
11:00	No Job for a Lady	Phil Collins: The Big Band (11:05)
11:30	Thin Blue Line	Phil Collins: The Big Band

Sunday, July 19

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
12:00 AM		
12:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		
4:30		
5:00		
5:30		
6:00		
6:30		
7:00	Body Electric	McLaughlin Group
7:30	Magic School Bus	This Week in Business
8:00	Sesame Street	Nature
8:30	Sesame Street	Nature
9:00	Barney & Friends	Nova
9:30	Tots TV	Nova
10:00	Wimzie's House	Living in Virginia
10:30	John McLaughlin's One to One	Virginia Currents
11:00	Breakthrough	Eyewitness
11:30	Healthweek	Wild World
12:00 PM	Virginia Capitol News Report	Berlin Airlift
12:30	Computer Chronicles	Berlin Airlift

Sunday, July 19

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
1:00	For the Record	Saga of the Steamship Atlantic
1:30	Book of Virtues	Saga of the Steamship Atlantic
2:00	Lawrence Welk	National Geographic Explorer
2:30	Lawrence Welk	National Geographic Explorer
3:00	Religion & Ethics NewsWeekly	Nova
3:30	McLaughlin Group	Nova
4:00	Tony Brown's Journal	World of National Geographic
4:30	Virginia Currents	World of National Geographic
5:00	Virginia Reflections	Virginia Reflections
5:30	Virginia Reflections	Virginia Reflections
6:00	Austin City Limits	Antiques Roadshow
6:30	Austin City Limits	Religion & Ethics NewsWeekly
7:00	World at War	Lawrence Welk
7:30	World at War	Lawrence Welk
8:00	Savage Earth	Savage Earth
8:30	Savage Earth	Savage Earth
9:00	Savage Earth	Savage Earth
9:30	Savage Earth	Savage Earth
10:00	World of National Geographic	Nature
10:30	World of National Geographic	Nature
11:00	Living Edens	Firing Line
11:30	Living Edens	Tony Brown's Journal

Monday, July 20

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
12:00 AM		
12:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		
4:30		
5:00		
5:30		
6:00		
6:30		
7:00	Body Electric	Sesame Street
7:30	Arthur	Sesame Street
8:00	Teletubbies	Barney & Friends
8:30	Sesame Street	Arthur
9:00	Sesame Street	Teletubbies
9:30	Artists' World	Mister Rodgers
10:00	Painting w/ Paulson	Theodore Tugboat
10:30	America Sews w/ Sue Hausmann	Big Comfy Couch
11:00	Sew Creative	Teletubbies
11:30	Now You're Cooking	Wimzie's House
12:00 PM	Baking w/ Julia	Donna's Day
12:30	Decor	Magic School Bus
1:00	BirdWatch	Arthur

Monday, July 20

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
1:30	Historic Hotels of America	Wishbone
2:00	Mister Rodgers	Big Comfy Couch
2:30	Big Comfy Couch	Charlie Horse Music Pizza
3:00	Reading Rainbow	Reading Rainbow
3:30	Kratt's Creatures	Sesame Street
4:00	Bill Nye the Science Guy	Sesame Street
4:30	Wishbone	Wishbone
5:00	Magic School Bus	Arthur
5:30	Barney & Friends	Bill Nye the Science Guy
6:00	Puzzle Place	Kratts' Creatures
6:30	Nightly Business Report	Donna's Day
7:00	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
7:30	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
8:00	Savage Earth	Savage Earth
8:30	Savage Earth	Savage Earth
9:00	Savage Earth	Savage Earth
9:30	Savage Earth	Savage Earth
10:00	Adventurers	Living Edens
10:30	Adventurers	Living Edens
11:00	Charlie Rose	As Time Goes By
11:30	Charlie Rose	Charlie Rose

Tuesday, July 21

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
12:00 AM		Charlie Rose
12:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		
4:30		
5:00		
5:30		
6:00		
6:30		
7:00	Body Electric	Sesame Street
7:30	Arthur	Sesame Street
8:00	Teletubbies	Barney & Friends
8:30	Sesame Street	Arthur
9:00	Sesame Street	Teletubbies
9:30	Watercolor Workshop	Mister Rodgers
10:00	Perfect Palette	Theodore Tugboat
10:30	Sew Creative	Big Comfy Couch
11:00	Sew Connection	Teletubbies
11:30	Little Italy w/ David Ruggerio	Wimzie's House
12:00 PM	Cucina Amore	Donna's Day
12:30	Fresh Paint	Magic School Bus
1:00	American Woodshop	Arthur
1:30	You & Your Great Dog	Wishbone

Tuesday, July 21

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
2:00	Mister Rodgers	Big Comfy Couch
2:30	Big Comfy Couch	Charlie Horse Music Pizza
3:00	Reading Rainbow	Reading Rainbow
3:30	Kratt's Creatures	Sesame Street
4:00	Bill Nye the Science Guy	Sesame Street
4:30	Wishbone	Wishbone
5:00	Magic School Bus	Arthur
5:30	Barney & Friends	Bill Nye the Science Guy
6:00	Puzzle Place	Kratts' Creatures
6:30	Nightly Business Report	Victoria Gardens
7:00	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
7:30	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
8:00	Nova	World of National Geographic
8:30	Nova	World of National Geographic
9:00	Reclaiming Lives	Savage Skies
9:30	Reclaiming Lives	Savage Skies
10:00	P.O.V.	Savage Skies
10:30	P.O.V.	Savage Skies
11:00	Charlie Rose	Last of the Summerwine
11:30	Charlie Rose	P.O.V.

Wednesday, July 22

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
12:00 AM		P.O.V.
12:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		
4:30		
5:00		
5:30		
6:00		
6:30		
7:00	Body Electric	Sesame Street
7:30	Arthur	Sesame Street
8:00	Teletubbies	Barney & Friends
8:30	Sesame Street	Arthur
9:00	Sesame Street	Teletubbies
9:30	Scheewe Art Workshop	Mister Rodgers
10:00	Joy of Painting	Theodore Tugboat
10:30	Kayes Quilting Friends	Big Comfy Couch
11:00	Sewing with Nancy	Teletubbies
11:30	Cookin' Cheap	Wimzie's House
12:00 PM	Jacques Pepin's Cooking Techniques	Donna's Day
12:30	Designer's Landscape	Magic School Bus
1:00	Router Woodshop	Arthur

Wednesday, July 22

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
1:30	New Home	Wishbone
2:00	Mister Rodgers	Big Comfy Couch
2:30	Big Comfy Couch	Charlie Horse Music Pizza
3:00	Reading Rainbow	Reading Rainbow
3:30	Kratt's Creatures	Sesame Street
4:00	Bill Nye the Science Guy	Sesame Street
4:30	Wishbone	Wishbone
5:00	Magic School Bus	Arthur
5:30	Barney & Friends	Bill Nye the Science Guy
6:00	Puzzle Place	Kratts' Creatures
6:30	Nightly Business Report	This Old House
7:00	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
7:30	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
8:00	Plane Crazy	National Geographic
8:30	Plane Crazy	National Geographic
9:00	Plane Crazy	Savage Skies
9:30	Plane Crazy	Savage Skies
10:00	Plane Crazy	Savage Skies
10:30	Plane Crazy	Savage Skies
11:00	Charlie Rose	Mother and Son
11:30	Charlie Rose	Charlie Rose

Thursday, July 23

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
12:00 AM		Charlie Rose
12:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		
4:30		
5:00		
5:30		
6:00		
6:30		
7:00	Body Electric	Sesame Street
7:30	Arthur	Sesame Street
8:00	Teletubbies	Barney & Friends
8:30	Sesame Street	Arthur
9:00	Sesame Street	Teletubbies
9:30	Art of William Alexander	Mister Rodgers
10:00	Painting w/ Brenda Harris	Theodore Tugboat
10:30	Quilt in a Day	Big Comfy Couch
11:00	Martha's Sewing Room	Teletubbies
11:30	Cooking w/ Caprial	Wimzie's House
12:00 PM	Debbi Fields' Great Desserts	Donna's Day
12:30	From a Country Garden	Magic School Bus
1:00	World of Collector Cars	Arthur

Thursday, July 23

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
1:30	Donna's Day	Wishbone
2:00	Mister Rodgers	Big Comfy Couch
2:30	Big Comfy Couch	Charlie Horse Music Pizza
3:00	Reading Rainbow	Reading Rainbow
3:30	Kratt's Creatures	Sesame Street
4:00	Bill Nye the Science Guy	Sesame Street
4:30	Wishbone	Wishbone
5:00	Magic School Bus	Arthur
5:30	Barney & Friends	Bill Nye the Science Guy
6:00	Puzzle Place	Kratts' Creatures
6:30	Nightly Business Report	Chesapeake Bay Cooking
7:00	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
7:30	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
8:00	Antiques Roadshow	Scotland: The Edge of the Land
8:30	Antiques Roadshow	Antiques Roadshow
9:00	Mystery	Mystery
9:30	Mystery	Mystery
10:00	Elie Wiesel and Richard D. Heffner	Airport
10:30	Elie Wiesel and Richard D. Heffner	Airport
11:00	Charlie Rose	Keeping Up Appearances
11:30	Charlie Rose	Charlie Rose

Friday, July 24

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
12:00 AM		Charlie Rose
12:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		
4:30		
5:00		
5:30		
6:00		
6:30		
7:00	Body Electric	Sesame Street
7:30	Arthur	Sesame Street
8:00	Teletubbies	Barney & Friends
8:30	Sesame Street	Arthur
9:00	Sesame Street	Teletubbies
9:30	Simply Painting Around the World	Mister Rodgers
10:00	Joy of Painting	Theodore Tugboat
10:30	Quilting from the Heartland	Big Comfy Couch
11:00	Sewing w/ Nancy	Teletubbies
11:30	Yan Can Cook	Wimzie's House
12:00 PM	Baking w/ Julia	Donna's Day
12:30	Designers Landscape	Magic School Bus
1:00	Crafting for the 90's	Arthur

Friday, July 24

	CHANNEL 23 RICHMOND, VA	CHANNEL 51 HARRISONBURG, VA
1:30	New Home	Wishbone
2:00	Mister Rodgers	Big Comfy Couch
2:30	Big Comfy Couch	Charlie Horse Music Pizza
3:00	Reading Rainbow	Reading Rainbow
3:30	Kratt's Creatures	Sesame Street
4:00	Bill Nye the Science Guy	Sesame Street
4:30	Wishbone	Wishbone
5:00	Magic School Bus	Arthur
5:30	Barney & Friends	Bill Nye the Science Guy
6:00	Puzzle Place	Kratts' Creatures
6:30	Nightly Business Report	Living in Virginia
7:00	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
7:30	Newshour w/ Jim Lehrer	Newshour w/ Jim Lehrer
8:00	Washington Week	Washington Week
8:30	Wall Street Week	Wall Street Week
9:00	Virginia Currents	Ballykissangel
9:30	McLaughlin Group	Ballykissangel
10:00	Airport	Vicar of Dibley
10:30	Airport	Vicar of Dibley
11:00	Charlie Rose	Faith in the Future
11:30	Charlie Rose	Charlie Rose

Saturday, July 25

12:00 AM		Charlie Rose
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